CONTENTS OF SUPPLEMENT.

PERSONAL 221
Obituary 221
ENGINEERING SOCIETIES 221
Coming Meetings 221
CONSTRUCTION NEWS:
Condensed List of Contracts Pending 222
Railways 222
Street and Electric Railways 222
Light, Heat and Power Plants 223
Bridges 223
Buildings 224
Water Supply and Irrigation 225
Sewerage 226
Garbage Disposal and Street Cleaning 226
Streets and Roads 226
Manufacturing Plants 227
Miscellaneous Contracts 227
U. S. Possessions and Cuba 227
Foreign Contracts and Export News 227
Contract Prices 228
INDUSTRIAL NOTES 228

PERSONAL.

Mr. John W. Fawcett, Chief Engineer of the Mahoning Division of the Erie R. R., has resigned.

Mr. Harry Myers, former City Engineer of Pittston, Pa., has been appointed Borough Engineer.

Mr. W. S. Morris has been appointed Mechanical Engineer of the Erie R. R., to succeed Mr. J. M. Barr, resigned.

Mr. Glen E. Balch, Civil Engineer, of Brooklyn, N. Y., was married recently to Miss Mabel A Winans, of Kalamazoo, Mich.

Capt. Philip P. Dandridge, Civil Engineer, of Piedmont, W. Va., has accepted a position with the West Virginia Central Ry.

Mr. J. Walter Ackerman, City Engineer of Auburn, N. Y., and Miss Bertha Vedder were married last week at Munnsville, N. Y.

Mr. Alfred M. Randolph, Jr., has accepted a position as Electrical Engineer to the British Westinghouse Co., of Manchester, England.

Mr. J. S. Humphrey, City Engineer of Alexandria, Ind., has resigned and has accepted a position with the City Engineer of Indianapolis.

Mr. James A. Lawrie, City Engineer of Sault Ste Marie, Mich., has resigned to accept a position with the W. E. Caldwell Co., Louisville, Ky.

Mr. John A. Pilcher has been appointed Chief Mechanical Engineer of the Norfolk & Western R. R., succeeding Mr. Charles C. Seley, resigned.

Mr. F. E. Blood has been appointed General Superintendent of the Shreveport & Red River Valley Ry., with headquarters at Shreveport, La.

Mr. Paul Voorhees, Assoc. M. Am. Soc. C. E., has been appointed Mechanical Engineer at the Atlas Works of the Standard Oil Co. of New York, at Buffalo, N. Y.

Prof. Edward C. Burnham, of the Mechanical Engineering Department of Brown University, has resigned to accept a position with the Hopedale Manufacturing Co., at Hopedale, Mass.

Mr. Charles Clarence Ward, of Seattle, Wash., has been appointed Chief Engineer of the Wenatchee Improvement Co., and will superintend the construction of its irrigation canal at Wenatchee, Wash.

Mr. Leffert L. Buck, M. Am. Soc. C. E., Chief Engineer of the New East River Bridge at New York city, and Miss Myra A. Gould, of Paducah, Ky., were married on June 4 in the last-named city.

Mr. W. C. Armstrong, Resident Engineer of the Chicago & Northwestern Ry., has been appointed Bridge Engineer of that road, succeeding Mr. F. H. Bainbridge, who has resigned to go to California.

Fleet Engineer Takeda, of the Japanese Navy, with his wife, arrived in New York city last week. He is commissioned by his government to make a study and report on the steel and mine industries of this country.

Mr. H. A. Magonn, Superintending Engineer of the Marine Department of the Maryland Steel Co., at Sparrows Point, Md., has resigned to accept a position with the New York Shipbuilding Co., of Camden, N. J.

Mr. Chapman L. Johnson, former City Engineer of Utica, N. Y., has been appointed by the McDonough Construction Co., of Troy, as Supervising Engineer of the work on a reservoir for the water supply of that city.

Mr. J. C. Breckenridge, General Manager of the Brooklyn Rapid Transit Co., will hereafter be known as Chief Engineer in charge of the Construction and Maintenance-of-Way Department. The office of General Manager is abolished.

Mr. E. L. Jenks, for the past three years Chief Engineer in the construction of the Ellenville & Kingston R. R., has resigned, and is succeeded by Mr. C. E. Knickerbocker, Chief Engineer of the New York, Ontario & Western Ry.

Mr. E. C. Washburn, inventor of the Washburn M. C. B. coupler, has resigned his position as General Manager of the Bismarck, Washburn & Great Falls Ry., in order to devote all his time to the business of the Washburn Coupler Co., at Minneapolis, Minn.

Mr. F. N. Bushnell, M. Am. Soc. M. E., Chief Mechanical Engineer of the street railway system of Providence, R. I., and the Narragansett Electric Lighting Co., has been appointed Chief Engineer of the street railway, succeeding Mr. George B. Francis, resigned. It is understood that Mr. Bushnell will still retain his former position.

Mr. Charles L. Griffin has been appointed Professor of Mechanical Engineering at Syracuse University. Mr. Griffin is a graduate of the Worcester Polytechnic Institute and was formerly in charge of the Department of Machine Design at the Pennsylvania State College.

Mr. Wilfred Proctor, Civil and Mining Engineer, of Oakland, Cal., recently arrived home from Colombia, South America, where he has been managing a plant for an English mining company in Colombia, about 125 miles from the seacoast. He is a graduate of the Mining College of the University of California, and before going to Colombia was Engineer of the Blue Lakes Water Co.

Mr. Julius S. Walsh has been elected President of the Union Electric Light & Power Co., of St. Louis., Mo., the consolidation of the Imperial Electric Light, Heat & Power Co. with the Citizens' Electric Light & Power Co., with Messrs. Breckenridge Jones, Treasurer, H. P. C. Coates, Secretary and Assistant Treasurer, E. G. Bruckman General Manager, and Chas. H. Ledlie Chief Engineer of Construction.

Mr. James F. Jackson, Chairman of the Boston Rapid Transit Commission, and Mr. George F. Swam, Professor of Civil Engineering in the Massachusetts Institute of Technology and Chief Engineer to the Commission, have sailed for Europe, and while abroad will inspect new subways and investigate the use of electricity as a railway motive power, paying special attention to the rapid transit systems in and about London, Berlin and Paris.

Mr. George B. Francis, M. Am. Soc. C. E., Chief Engineer of the Union R. R. and the Rhode Island Suburban Ry., of Providence, R. I., has resigned, to accept a position as Civil Engineer with Westinghouse, Church, Kerr & Co., of New York. This company are the engineers for a large number of features in the work connected with the construction of the Pennsylvania R. R. tunnel and New York terminal and Mr. Francis will be chiefly engaged on this work.

President Hodge, of the Quebec Southern Ry., has announced the resignation of Mr. G. W. Bartlett as General Superintendent of the Quebec Southern road, and the appointment of Mr. E. C. Lalonde as his successor, with headquarters at Sorel, Que. Also the appointment of Mr. R. A. Trudeau as Superintendent of the Southern Division, with headquarters at Hyacinthe, Que., and Mr. F. D. Anthony as Chief Engineer of Maintenance of Way, succeeding Mr. L. Lantier, resigned.

Mr. Alexander C. Humphreys, of the firm of Humphreys & Glasgow, Consulting Gas Engineers, of New York, has been elected to succeed Dr. Henry Morton, who died on May 9, as President of the Stevens Institute of Technology. Mr. Humphreys is one of the leading gas engineers of this country, and a graduate of the Institute. He was born in Edinburgh, Scotland, in 1851, and came to this country when about eight years of age. At 20 he was made Secretary of the Bayonne & Greenville Gas Co., and a year later, without any practical knowledge of the work required in the position, was appointed Superintendent. Four years later, while still occupying this position, he married Miss Eva Guillaudeu, and about a year later entered Stevens Institute and took a full course. He was 30 years of age when he graduated, and was still Superintendent of the gas company. After graduating he became Chief Engineer of the Pintsch Gas Co., the first American to hold that position, those holding that position before him being from Europe, and three years later was appointed General Superintendent of the United Gas Improvement Co., of Philadelphia. He held this position for 10 years, and in 1895 entered into partnership with A. G. Glasgow, forming the firm of Humphreys & Glasgow, Gas Engineers. Mr. Humphreys is a member of the American Society of Civil Engineers and of the American Society of Mechanical Engineers.

OBITUARY

Mr. Miers Coryell, Consulting Civil Engineer, died at his home in New York city on June 9, aged 77 years.

Mr. John B. Swaim, formerly President of the National Iron & Steel Co., of Nashua, N. H., died June 3, aged 74 years.

Mr. Thomas L. Williams, Electrical Engineer, died at his home near Widewater, Va., on June 2 of consumption, aged 40 years.

Mr. William Himrod, Secretary and Treasurer of the Commissioners of Water-Works of Erie, Pa., died May 30, at the age of 61 years.

Mr. Benjamin G. Olds, formerly a civil engineer, died at his home in North Adams, Mass., on June 1, aged 75 years. In 1851 he went to Missouri and for several years was employed on the construction of the Missouri Pacific R. R.

Mr. Peter Milne, Assoc. Am. Soc. C. E., for a number of years Water Purveyor of the city of Brooklyn, N. Y., and prior to the consolidation of that city with New York Chief Engineer of the Department of City Works, died at his home in Brooklyn on June 9. Since 1897 he has been Consulting Engineer for water-works improvements and in cases of the purchase of water-works by cities. He was Secretary of the American Water-Works Association for a number of years past.

ENGINEERING SOCIETIES.

COMING MEETINGS.

AMERICAN SECTION, INTERNATIONAL ASSOCIATION FOR TESTING MATERIALS.
June 12, 13, 14. Annual meeting at Atlantic City, N. J. Secy., Edgar Marburg, Philadelphia.

AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS.
June 16. Summer meeting at Atlantic City, N. J. Secy., W. M. Mackay, New York.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.
June 18, 19, 20, 21. Summer meeting at Great Barrington, Mass. Secy., R. W. Pope, 26 Cortlandt St., New York.

AMERICAN FOUNDRYMEN'S ASSOCIATION.
June 17, 18, 19. Annual convention at Boston, Mass. Secy., Richard Moldenke, New York.

MASTER CAR BUILDERS' ASSOCIATION.
June 18, 19, 20. Annual convention at Saratoga, N. Y. Secy., J. W. Taylor, Chicago.

AMERICAN RAILWAY MASTER MECHANICS' ASSOCIATION.
June 23, 24, 25. Annual convention at Saratoga, N. Y. Secy., J. W. Taylor, Chicago.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
June 28 to July 3. Annual meeting at Pittsburg, Pa. Secy., L. O. Howard, Washington, D. C.

ENGINEERS' CLUB OF ST. LOUIS.—At the meeting of June 4 Mr. R. H. Tait read a paper on "Mechanical Refrigeration." The paper traced out the history of the art, and gave some facts on present-day commercial working, costs, etc. It then referred to central station refrigeration supply; the first pipe-line was laid in Denver, Colo., in 1889, and the second in St. Louis, Mo., in 1900. The latter system now comprises about 12,000 ft. of mains and 5,000 ft. of laterals, and will soon be nearly doubled by extensions. The service supplied at St. Louis ranges from a single beer faucet in a saloon to large cooling chambers in packing houses. The discussion on the paper was participated in by Messrs. Klauder, Humphrey, Ashton, Trepp, Bary, Russell and others.—Secy., D. W. Roper.

WESTERN SOCIETY OF ENGINEERS.—At the meeting on June 4 it was announced that the Board of Direction had decided to set apart one meeting for a discussion on the proposed bill on the metric system, now before Congress, and on the general question of the advisability or otherwise of enacting such a bill. After this meeting the question of the society's lending its support to the bill will be submitted to letter ballot.

A paper on "The Designing of Chicago Sewers" was read by Mr. C. D. Hill, in which he compared the actual capacities of various sewers, with the results obtained by the use of different run-off formulas, showing also which of these sewers are of adequate and which are of inadequate capacity. Mr. John W. Alvord discussed the relation of run-off formulas to topographical and other local conditions, and also pointed out certain examples of political influence upon the sewerage system. Mr. Benezette Williams referred to the practice followed in the design of certain parts of the sewerage system of Chicago. Mr. E. E. R. Tratman (Assoc. Ed. Engineering News) pointed out that too much reliance must not be placed upon formulas, nor formulas used without a proper understanding of the principles upon which they are based, and the relation of these principles to local conditions.

INTERNATIONAL TRAMWAYS (STREET RAILWAY) UNION.—The twelfth convention will be held at London, England, July 1 to 4. The meetings will be held in one of the rooms of the Agricultural Hall, in which hall will be an extensive exhibition of street railway machinery and appliances. There will be a banquet and reception tendered by the English Tramways and Light Railways Association, the reception being held at the Institution of Civil Engineers, and also a reception tendered by the Institution of Electrical Engineers at Kensington. The excursions will include visits to the several electric underground railways and surface electric street railways of London, the London municipal electric light station at Islington, and the electrical works of the Crompton Co., at Chelmsford. The following subjects will be discussed at the meetings: 1, Transfer Ticket Systems; 2, Gage of Light and Interurban Railways; 3, Brakes; 4, Estimating the Horse Power of Motors and Generators; 5, Charges Paid to Public Authorities; 6, Street Railway Legislation in Europe; 7, Location of Car Sheds; 8, Systems of Electric Traction; 9, Car Service; 10, Central Stations; 11, Cost of Electric Energy for Street Railways, Developed by Steam, Gas or Water Power Plants; 12, Underground Railways in Large Cities; 13, Mail and Express Service on City Tramways; 14, The Heating of Street Cars.

AMERICAN INSTITUTE OF ELECTRICAL ENGINEERS.—As already noted, the 19th annual convention of this society will be held at Great Barrington, Mass., on June 18, 19, 20 and 21. The following professional papers will be read before the convention: "The Function of Series and Shunt Resistances in Lightning Arresters," by Percy H. Thomas, Pittsburg, Pa.; "A New Photometer for Incandescent Light and Similar Sources," by Prof. C. F. Mathews, Lafayette, Ind.; "Method of Compounding Alternating-current Generators and Motors, Direct-current Generators, Synchronous Motor Generators and Synchronous Converters," by F. G. Baum, Palo Alto, Cal.; "The New Generating Plants of the Niagara Falls Power Co.," by H. W. Buck, Niagara Falls, N. Y.; "Formula for Calculating the E. M. F. at any given point on an Alternating-current Transmission Line," by

M. Le Blanc, Paris, France; "A New Type of Current-tracing Instrument," by Prof. R. B. Owens, Montreal, Can.; "The Predetermination of Alternator Characteristics," by Prof. L. A. Herdt, Montreal, Can.; "Notes on Railway Speed-Time Curves," by C. O. Mailloux, New York; "Method of Ascertaining from Dynamometer-car Records the Power Required to Operate the Mott Haven Division of the N. Y. C. & H. R. R. R., and the Relative Costs of Operation by Steam and Electricity," by B. J. Arnold, Chicago; "A Study of the Heating of Railway Motors," by A. H. Armstrong, Schenectady, N. Y.; "The Present Status of Electrical Engineering Education in the United States," by S. Sheldon, Brooklyn; "The Electrical Engineering Courses at College," by E. B. Raymond, Schenectady, N. Y.; "Notes on an Experiment with Single-Phase Alternators on Polyphase Circuits," by C. O. Mailloux, New York; "Comparative Acceleration Tests of Steam and Electric Traction," by B. J. Arnold, Chicago, Ill., and W. B. Potter, Schenectady, N. Y.; "The Equipment of an Electrical Engineering Laboratory," by Prof. R. B. Owens, Montreal, Can.; "Energy Loss in Commercial Insulating Materials when Subjected to High Potential Stress," by C. E. Skinner, Pittsburg; "The Electrostatic Wattmeter in Commercial Measurements," by Miles Walker, Pittsburg.

The technical sessions of the convention will be held in the forenoon of each day, the afternoon being devoted to excursions and social enjoyment. One of the morning sessions will be devoted to the subject "Steam Turbines," with a paper by Mr. F. Hodgkinson on the Parsons turbine, and a paper by Mr. R. R. Bowker on the De Laval turbine. Among the social features of the convention will be a reception on the evening of the 17th, an afternoon tea on Wednesday, a dancing party at the Town Hall on the 19th, etc.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened.	Work.	Place.	See Eng. News.
June 12.	School,	Mannington, W. Va.	June 5
June 12.	Building,	Agricultural College, Miss.	June 5
June 12	Paving,	Alexandira, Va.	May 29
	Advertised, Eng. News, May 29 and June 5.		
June 12.	Paving, etc.,	Geneva, N. Y.	May 29
	Advertised, Engineering News, May 29.		
June 12.	High-level sewer,	Boston, Mass.	May 29
	Advertised, Engineering News, May 29.		
June 13.	Dredging,	Willetts Point, N. Y.	May 15
	Advertised, Eng. News, May 15 to June 19.		
June 13.	Road work,	Glens Falls, N. Y.	May 29
	Advertised, Eng. News, May 29 and June 5.		
June 13.	Bridge repairs,	Rome, N. Y.	June 5
June 13.	Aqueduct work (Sec. 1),	Boston, Mass.	June 5
	Advertised, Eng. News, May 29 and June 5.		
June 14.	Water mains, castings, etc.,	Norfolk, O.	June 5
June 14.	Elevator,	Omaha, Neb.	June 5
June 14.	Bridge work,	Scranton, Pa.	June 5
June 14.	College building,	Ann Arbor, Mich.	June 5
June 14.	Sewer work,	Washington, D. C.	May 29
	Advertised, Engineering News, May 29.		
June 14.	Masonry dam,	Keene, N. H.	May 29
	Advertised, Engineering News, May 29.		
June 14.	Ditch,	Des Moines, Ia.	May 22
June 14.	Tubular boilers,	Elmira, N. Y.	May 22
	Advertised, Eng. News, May 22 to June 12.		
June 14.	Concrete sidewalks, etc.,	Alsia Craig, Ont.	May 22
June 14.	Street work,	Medina, O.	June 12
June 14.	Bridge,	Cumruf, Pa.	June 12
June 14.	Building,	Oakland, Md.	June 12
June 14.	Water dept. supplies,	Norwalk, O.	June 12
June 15.	Coal mine opening,	Wheeling, W. Va.	June 5
	Advertised, Engineering News, June 5.		
June 15.	Building,	Oskaloosa, Ia.	June 5
June 16.	Sewers, electric plt, etc.,	Edmonton, Alta.	June 5
June 16.	Curbing, etc.,	Elizabeth, N. J.	June 5
June 16.	Water-works, etc.,	Edmonton, Can.	June 5
June 16.	Building,	Washington, D. C.	May 15
June 16.	Heating plant (el. li. & p.),	Racine, Wis.	May 15
	Advertised, Eng. News, May 15 to 29.		
June 16.	Lift bridge,	Sydney, N. S. W.	May 22
June 16.	Water-works bonds,	Biloxi, Miss.	May 22
	Advertised, Eng. News, May 22 to June 5.		
June 16.	Paving,	Mt. Vernon, O.	May 22
June 16.	Jail,	Harrisburg, Ark.	May 29
June 16.	School,	Allentown, Pa.	May 29
June 16.	School,	Jerusalem, O.	May 29
June 16.	Bridge repairs,	Zanesville, O.	May 29
June 16.	Arc lighting,	Peoria, Ill.	May 29
June 16.	Road work,	North Haven, Conn.	June 12
June 16.	Brick paving,	Coshocton, O.	June 12
June 16.	Paving,	Champaign, Ill.	June 12
June 16.	Paving,	Burlington, Ia.	June 12
June 16.	Paving,	Brainerd, Minn.	June 12
June 16.	Sewer,	Portsmouth, Va.	June 12
June 16.	Sewer,	Ottawa, Ont.	June 12
June 16.	Granite stones, etc.,	New York, N. Y.	June 12
June 16.	Plans for water-works,	Farmington, Mo.	June 12
June 16.	Reservoir,	Charlottetown, P. E. I.	June 12
June 16.	Gas plant,	Lamberton, Minn.	June 12
June 16.	Water-works,	Starke, Fla.	June 12
June 16.	Sewers,	Galesburg, Ill.	June 12
June 17.	Deep well pump, etc.,	New Glarus, Wis.	June 12
June 17.	Sewers,	Davenport, Ia.	June 12
June 17.	Steel work,	Glenville, O.	June 12
June 17.	Bridges (9),	Indianapolis, Ind.	June 12
June 17.	Brick drain,	Buffalo, N. Y.	June 12
June 17.	Lumber, lime, etc.,	Ashland, Wis.	June 12
June 17.	Building,	Leonardtown, Md.	June 12
June 17.	Mains, valves, etc.,	Rio Vista, Cal.	June 12
June 17.	Gasoline engine, etc.,	New Glarus, Wis.	June 12
June 17.	Water-works,	Dyersburg, Tenn.	May 15
June 17.	Electric plant,	Dyersburg, Tenn.	May 15
June 17.	Jail,	Kalispell, Mont.	May 29
June 17.	Sewers,	Rockwell City, Ia.	May 29
June 17.	Wagon wheels,	New York, N. Y.	June 5
June 17.	Grading, etc.,	Fort Washington, Md.	June 5
	Advertised, Eng. News, June 5 and 12.		
June 17.	Bridges,	Newport, Ind.	June 5
June 17.	Sewer,	Roslyn, Wash.	June 5
June 17.	Sewers,	Wolfville, N. S.	June 5
June 18.	Bridge,	Pembroke, Ont.	June 5
June 18.	Buildings (2),	Springfield, O.	June 5
June 18.	Macadam paving,	New Brunswick, N. J.	June 5
June 18.	Post office,	Wilkesbarre, Pa.	May 15
	Advertised, Eng. News, May 15 and 22.		
June 18.	City Hall,	Newark, N. J.	May 22
June 18.	Paving,	Brooklyn, N. Y.	June 12
June 18.	Paving, etc.,	Wilkesbarre, Pa.	June 12
June 18.	Paving,	Superior, Wis.	June 12
June 18.	Steamer repairs, etc.,	New York, N. Y.	June 12
June 18.	Electric and ice plant, etc.,	Lexington, Ky.	June 12
June 19.	Tools, paints, lumber,	New York, N. Y.	June 12
June 19.	Street work,	Buffalo, N. Y.	June 12
June 19.	Pier removal,	New York, N. Y.	June 12
June 19.	Filling dredging, etc.,	Baltimore, Md.	June 5
	Advertised, Eng. News, June 5 and 12.		
June 19.	Sewers,	Cleveland, O.	June 5
June 19.	Stand-pipe, etc.,	Ft. Revere, Mass.	June 12
	Advertised, Engineering News, June 12.		
June 20.	Sewers,	Saranac Lake, N. Y.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 20.	Tile,	Urbana, Ill.	June 12
June 20.	Paving,	Jamestown, N. Y.	June 12
	Advertised, Engineering News, June 12.		
June 20.	Sewer,	Washington, D. C.	May 29
	Advertised, Engineering News, May 29.		
June 20.	Library,	Huntington, W. Va.	June 12
June 20.	Building,	St. Louis, Mo.	June 12
	Advertised, Engineering News, June 12.		
June 21.	Pike road,	Greenville, O.	June 12
June 21.	Public imp. bonds,	Yauco, P. R.	June 12
June 21.	Tile drain,	Barnesville, Minn.	June 12
June 21.	Ditches,	St. Paul, Minn.	June 12
June 21.	Building,	Norfolk, Va.	June 12
June 21.	Quarters,	Fort Wadsworth, N. Y.	June 12
June 21.	Water-works,	Lewistown, Mont.	June 12
June 22.	Hotel building,	Natchitoches, La.	June 12
June 23.	Rebuilding coal wharf,	Fort Slocum, N. Y.	June 12
June 23.	Sewer,	Kenton, O.	June 12
June 23.	Church,	De Forest, Wis.	June 12
June 23.	Water-works,	Pagosa Springs, Colo.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 23.	Jail,	Jamestown, Ky.	May 8
June 23.	Court house,	Elizabeth, N. J.	May 29
	Advertised, Eng. News, May 29 to June 19.		
June 23.	School,	Cleveland, O.	May 29
June 23.	Canal work,	Chicago, Ill.	June 5
	Advertised, Eng. News, June 5 to 26.		
June 23.	School,	South Brooklyn, N. Y.	June 5
June 23.	Buildings,	Denver, Colo.	June 5
June 23.	Paving,	Bridgeport, Conn.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 23.	Sewage pumping station,	White Plains, N. Y.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 24.	Sewers,	Binghamton, N. Y.	June 12
June 24.	Building,	Cincinnati, O.	May 15
	Advertised, Eng. News, May 15 to 29.		
June 24.	Paving,	Kenton, O.	June 12
June 25.	Portland cement,	Winnipeg, Man.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 25.	Grading, draining, etc.,	Cleveland, O.	June 5
June 25.	Pumping station,	Philadelphia, Pa.	June 12
June 26.	Water-works,	Edgerton, Minn.	June 12
June 25.	Tunnels, pipe, etc., (w.-w.),	Elgin, Ill.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 26.	Outlet sewer,	Newark, N. J.	June 12
	Advertised, Eng. News, June 12 and 19.		
June 26.	Wall telephones,	Washington, D. C.	June 5
June 26.	Sewers,	Cleveland, O.	June 5
June 26.	Dry-dock,	Portland, Ore.	May 29
	Advertised, Eng. News, May 29 and June 5.		
No date.	Harbor work,	Port Adelaide, S. Australia.	Apr. 24
No date.	Railway (L. & A.),	Hope, Ariz.	June 12

RAILWAYS.

BUFFALO, ATTICA & ARCADE.—S. S. Bullis, Pres., Olean, N. Y., writes us that the company's 28 miles of road has been practically rebuilt, new ties and ballasting being laid and stone and steel bridges being substituted for wooden trestles. Surveys have been made and some work done on the extension to Buffalo.

CAPE GIRARDEAU & CHESTER.—A charter has been granted to this company in Missouri for the construction and operation of a railway from Cape Girardeau to a point opposite Chester, Ill., in Perry county, Mo. It will traverse Cape Girardeau and Perry counties, and will be 60 miles in length. The capital stock is $600,000. Henry Hanenschild, Thomas A. Proctor and F. F. Lincoln, Jefferson City, are incorporators.

CHATEAUGAY R. R.—W. H. Sadler, Asst. Engr. Delaware & Hudson R. R., is engaged in making a survey of this road, which is to be changed from a narrow gage to a standard gage. Three corps of engineers are at work, one at Dannemora (N. Y.), another at Standish and a third at Loon Lake. It is expected that the survey and estimate will be completed by August 1, when contracts for rebuilding will be let. The estimated cost of the work is $1,000,000, and the length of the road from Plattsburg to Saranac Lake is 73 miles. The rebuilding will be completed in time for summer travel next year. J. N. Stower is Gen. Mgr., Plattsburg, N. Y.

DAKOTA EASTERN.—L. D. Lyon, Secy., Watertown, S. Dak., informs us that the proposed line has been surveyed for 100 miles and profiles and maps have been made for that distance. The line when completed will aggregate 350 miles, and will run from Watertown to Fargo, N. Dak., to Sioux Falls, S. Dak., and Aberdeen. The construction funds are not as yet provided for. John W. Martin is Pres., Watertown.

DALLAS, CLEBURNE & SOUTHWESTERN.—The charter of this road has been filed at Austin, Tex. The company is capitalized at $200,000, and is formed for the purpose of building a road from Cleburne north through the counties of Johnson, Torrant and Dallas to the city of Dallas, a distance of 50 miles. It is reported that the Missouri, Kansas & Texas R. R. is behind the project, and that it is proposed to build between Dallas and San Antonio, Tex., through a territory about 100 miles west of the International & Great Northern. I. D. Myers and Paul Nelson, Cleburne; A. C. Irvine, Gainesville, and C. B. McDonald, Fort Scott, Kan., are incorporators.

EAST ST. LOUIS TERMINAL.—This company has been incorporated in Illinois with $50,000 capital stock to construct a road from Harrisonville, Monroe county, Ill., to Alton, running through St. Clair county. W. S. Forman, Robt. Bethman and James M. Shear, East St. Louis, Ill., are incorporators.

EVANSVILLE & TERRE HAUTE.—Mr. E. H. Pfafflin, Acting Eupt. and Ch. Engr., Evansville, Ind., writes us that this road will be ready to receive bids about July 1 for the extension of its Sullivan county branch to Jasonville, Ind., a distance of about five miles.

ILLINOIS & MISSISSIPPI.—Articles of incorporation have been filed in Illinois with a capital stock of $5,000, to build a road from Peoria, Ill., through the counties of Peoria, Knox, Warren, Mercer and Rock Island, to a point on the Mississippi River in Rock Island county. Jerome J. Crowley, L. F. Chapman and M. P. Breen, Chicago, are incorporators.

IOWA & DAKOTA CENTRAL.—Incorporated in Iowa to build a railway from Centerville to Sioux City, a distance of 250 miles. The capital stock is placed at $250,000. H. F. Reddig is Pres.; H. W. Seaman is Vice-Pres., and H. H. Kendrick is Secy. and Treas. The principal offices are at Centerville.

JOLIET & WESTERN.—Incorporated in Illinois with a capital stock of $300,000 by Chas. S. Seaver, Joliet, Ill.; G. S. Stewart, Plano, Ill.; H. Lewis, De Kalb and others. The line to be built will run from Joliet in a westerly and northwesterly to the Wisconsin state line.

LONG ISLAND R. R.—Application has been made to President Swanstrom of the Borough of Brooklyn, New York City, for the adoption of a general plan concerning the abolition of grade highway crossings on the road between East New York and Bay Ridge. The proposition involves the elevation or depression of the tracks of the road for a distance of 10 miles.

LOUISIANA & ARKANSAS.—Bids are wanted by the R. M. Quigley Construction Co., Hope, Ariz., for the construction of 46 miles of road for this company. The work runs south from Hope, Ark., 26 miles and southeast from Georgetown, 20 miles. Free transportation is offered on outfits from any point in Missouri, Arkansas, Louisiana or Texas.

NEW YORK CENTRAL & HUDSON RIVER.—The track on the Rome, Watertown & Ogdensburg Division is to be relaid this summer between Richland and Crockett's, N. Y., for a distance of about 35 miles. Work will probably be started this month by the company's forces. Additions will also be made to the freight yards in Oswego, N. Y. The total cost of this work will be about $200,000. W. J. Wilgus is Ch. Engr., Grand Central Station, New York.

PENNSYLVANIA.—Frank J. Dixon, Blairsville, Pa., has secured a contract for building the six miles of mountain railway up the 'Scootac, in Clinton county. The line will extend from the parks of the north and south branches of the 'Scootac Creek to the fire clay mines of the Burns Co. of Williamsport. The line connects with the Beecher R. R. at the forks. C. E. Ball, Civil Engr., will begin at once to lay out the line. The work is to be completed within 90 days.

RONCEVERTE, LEWISBURG & WESTERN.—A charter has been issued to this company in West Virginia, which is projecting a line of railway from Ronceverte, in Greenbrier county, thence to Lewisburg. The company is capitalized at $100,000. D. C. T. Davis, Jr., and H. L. Van Sickles, Lewisburg, and W. G. Mathews, Charleston, are incorporators.

ST. LOUIS, IOWA & DAKOTA.—It is announced that this company will build its line from Centerville to Des Moines, Ia., this season, and probably also to Sioux City.

SCRANTON, DUNMORE & MOOSIC LAKE.—Incorporated to build a line from Dunmore, Pa., to Moosic Lake, a distance of 10 miles; capital stock, $100,000. Timothy Burke, of Dunmore, is Pres.

VANCOUVER, VICTORIA & EASTERN.—Frank Dallam, of Loomis, Wash., is reported to have stated that this line will be built by the Great Northern R. R., and that the construction will be started within the next year.

WEST SIDE BELT LINE.—Contracts for constructing the last eight sections of the company's line were awarded on May 29 to the Ferguson Contracting Co., of Pittsburg, Pa. The sections embrace the eight miles of track that will extend the line from Bruce to Clairton, which will be the present terminal. Contracts were also let for 3,000 tons of steel rails to the Carnegie Steel Co. The contracting company is given four months in which to complete the extension. The route will be through Peters Creek valley and across the Peters Creek branch of the Monongahela Division of the Pennsylvania R. R.

WHITEVILLE LUMBER CO.—J. A. Brown, Vice-Pres. and Gen. Mgr., Chadbourn, N. C., writes that the company will build 20 miles of road to be used for logging purposes. The right of way and construction capital has been secured. The work will be done by its own forces.

STREET AND ELECTRIC RAILWAYS.

WATERVILLE, ME.—The Waterville & Oakland St. R. R. has been organized to build an electric street railroad from this city to Oakdale. The capitalization of the company is $300,000. E. J. Lawrence, Cyrus W. Davis and Amos F. Gerald are interested.

BOSTON, MASS.—It is stated that the Boston & Worcester Electric Ry., which is building a line through Framingham, will soon apply to the selectmen for a franchise to construct a parallel line to the Saxonville Division of the Framingham Union system.

LOWELL, MASS.—Local papers state that Strong Brook Valley St. Ry. Co. has advertised for bids for the construction of its new line, to run from North Chelmsfold by way of Crystal Lake to West Chelmsford; thence to Brookside, Westford, Graniteville, Forge Village, Littleton and Ayer Junction. The line will be 19 miles long, and will be operated by electricity.

WILLIMANTIC, CONN.—The organization of the Willimantic & Southbridge St. Ry. Co. has been effected with Simeon A. Wheaton, Eastport, Pres.; A. MacMathewson, New Haven, Secy and Treas., and C. H. Nichols, New Haven, Engineer. The capital stock is $50,000. The line has been surveyed between this city and Eastford and the engineers are at work on the plans. The directors have been authorized to make contracts for the construction and to issue bonds. The length of the road will be about 30 miles. Assistance of the legislature will probably be asked before beginning construction.

ALBANY, N. Y.—The Salamanca & Little Valley R. R. Co. has been incorporated with $400,000 capital stock, to operate an electric railway, 14 miles long, between Salamanca and Little Valley. J. S. Rockwell, Buffalo; E. B. Vreeland, Salamanca, and E. E. Kelly, Little Valley, are incorporators.

MAYVILLE, N. Y.—A certificate has been filed by the county clerk whereby the South Shore Suburban Ry. and the Lake Erie Traction Co. have been consolidated. The capital stock is $126,000. It is understood that the company will build a trolley road along the lake road, south of Lake Erie. W. L. Minton, Westfield, is interested.

NEW YORK, N. Y.—The Interborough Rapid Transit Co., which is to operate the subway railway, is considering the advantage which may be derived from using oil as fuel instead of coal in its power plant, now in the course of construction, between 11th and 12th Aves. The furnaces are to be so constructed that oil burners may be substituted for the grates.

WASHINGTON, N. J.—A charter has been taken out at Trenton for the Easton & Washington Traction Co., which proposes to build an electric railway from Phillipsburg to Washington, having an estimated length of 45 miles. R. M. Petty, of Washington, is President.

HARRISBURG, PA.—A charter has been issued to the West Brownsville Junction & California St. Ry. Co., to build a line four miles in length; capital stock, $24,000. W. V. Winans, of Brownsville is Pres..

LANCASTER, PA.—Wm. B. Given, Pres. Ephrata & Adamstown Ry. Co., has announced that the company's line will be extended this summer from Ephrata to

Adamstown by way of Reamstown, and that contracts for the work have already been placed. The Westinghouse Electric & Mfg. Co. has received a contract for a 400-HP. generator and a complete rotary transforming station. The new power station will be erected at Reamstown. The company's offices are in the Woodworth Bldg., Lancaster.

SHARON, PA.—It is reported that Senator Wm. Flinn, of Pittsburg, and other capitalists will build a street railway from South Sharon to New Castle and other points.

SKIPPACK, PA.—A company has been formed to build a trolley line between Souderton, on the North Penn R. R., and Trooper, on the Schuylkill Valley Co.'s line, near Norristown. The road will touch at Franconia, Harleysville, Lederachsville, Skippack, Cedars, Worcester and Fairview Village, having a length of 16 miles. E. S. Moser, Collegeville; B. W. Dambly, Skippack, and Dr. George K. Meschter, Worcester, are interested.

WASHINGTON, D. C.—Rogers & Walker, Civil Engineers and Contractors, Washington, have just closed a contract for the grading and masonry for the Washington, Baltimore & Annapolis Electric R. R.

ROME, GA.—The City Electric Ry. Co. will extend its line to Lindale from Mobley Park. The extension will be three miles long and will cost about $90,000. Work will commence soon.

CANTON, O.—The Canton-Akron Electric Ry. Co. has increased its stock from $600,000 to $1,600,000, for the purpose of completing the Navarre extension south to New Philadelphia.

FORT RECOVERY, O.—E. T. Firth, of this place, writes that surveys have been made for the line of the Waverly Traction Co. for a distance of 32 miles, and several miles have been graded. The projected length of the road (which will be an electric), is 50 miles. The important towns touched by the line include Waverly, Martinsville, Bloomington and Indianapolis. The rights of way are secured for most of the way. Bonds may be issued.

INDIANAPOLIS, IND.—The Fort Wayne & Southwestern Traction Co. has filed notice of the increase of its capital stock from $600,000 to $1,000,000, and amended articles of incorporation to extend its lines from Fort Wayne to Goshen.

RICHMOND, IND.—Articles of incorporation for the Richmond & North Western Traction Co. have been drawn up and probably filed for the line to be built between Richmond and Anderson, via New Castle. The capital stock will be placed at $50,000. F A. Wisehart, Middletown, is interested.

WICHITA, KAN.—Superintendent Morrison, of the Wichita R. R. & Light Co., is reported to have said that the company will expend about $60,000 in improvements to its lines and properties in Wichita this year. The improvements will consist mainly of new tracks, new cars, etc.

OMAHA, NEB.—Local papers state that the Omaha, Lincoln & Southern Ry. Co. has filed articles of incorporation, its purpose supposed to be the construction of an electric road from Lincoln to Omaha by way of the Swedeburg coal fields. The capital stock will be $250,000. J. S. Knox, Joseph Crow and Henry C. Akin are mentioned as incorporators.

PARIS, MO.—The surveyors for the proposed electric railway from Mexico to Paris and Centralia to Paris, ultimately extending to Shelbina and Shelbyville, have started the surveys at Thompsonville. Geo. W. Baumhoft, St. Louis, and J. D. Orear, Mexico, are interested.

DENVER, COLO.—The Otero County Interurban Light & Power Co. has filed articles of incorporation with a capital stock of $1,000,000, for the purpose of building an electric railway and to furnish power to a number of towns along the route of the railway. The line will run through Otero county, from east to west, from La Junta to the south line of the county; thence to Rockey Ford and La Junta. J. W. Beaty, Manzanola; F. M. Wieland, Fowler, and Chas. F. Lacombe, Denver, are incorporators.

EVERETT, WASH.—The board of county commissioners has granted Dr. De Soto and his associates a franchise to construct and operate an electric road throughout Snohomish county. Operations are to begin within six months. The power will bze taken from the Sultan River.

WALLA WALLA, WASH.—The Washington & Oregon Electric Ry., Light & Power Co., capitalized at $1,500,000, has been incorporated by H. Wellman and R. W. Barrach, San Francisco, and Frank B. Rome, Walla Walla.

LIGHT, HEAT AND POWER PLANTS.

BRATTLEBORO, VT.—Local parties are reported as making surveys for a power dam on the Connecticut River.

ST. ALBANS, VT.—The St. Albans Electric Light & Power Co. has been awarded a 5-year contract for lighting. The company will build a plant to develop the Fairfax water power. W. L. Fairchild is interested.

BROCKTON, MASS.—Mayor Battles has withheld his signature to the ordinance awarding an 8-year contract for electric lighting to the Edison Electric Illuminating Co.

CHICOPEE, MASS.—Bids are asked until 2 p. m. June 16 for repairing the dam at the light station. Geo. E. Stebbins, Mgr.

GREENFIELD, MASS.—We are informed that the Greenfield Electric Light & Power Co. has let the contract for a concrete dam 50 ft. high and 400 ft. long and a power house at a point five miles from here to Warner & Madigan, of Mechanicville, N. Y. The Stilwell-Bierce & Smith-Vaile Co., Dayton, O., has the contract for the wheels, and the Westinghouse Electric & Mfg. Co., Pittsburg, that for the electrical machinery. A. C. Rice, Consult. Engr., State Mutual Bldg., Worcester, Mass.

TAUNTON, MASS.—Geo. A. King, Cy. Engr., writes us that $175,000 has been appropriated for a new plant. Address Abner Coleman, Mgr.

WESTFIELD, MASS.—Mgr. Pettibone, of the electric plant, is reported as planning for improving the electric plant.

ALBION, N. Y.—The Albion Power Co. proposes to build a new plant at Clark's Mills, and also to consolidate the plants at Albion, La Salle and Middleport under one management. Wallace C. Johnson is Consult. Engr., Niagara Falls, N. Y.

BINGHAMTON, N. Y.—We are informed that contracts are being let for the plant of the Binghamton Light, Heat & Power Co. It will have a capacity of 400 arc lights. S. P. Hunt, Supt.

HUNTINGTON (L. I.), N. Y.—Edward Pidgeon, of Northport, L. I., has been granted a 50-year franchise for an electric plant.

MILFORD, N. Y.—This place has voted to light the streets with gasolene.

SPENCERPORT, N. Y.—This place has voted to build an acetylene gas plant to cost $4,000. About four miles of piping will be needed.

STAMFORD, N. Y.—The Stamford Electric Light Co. has increased its capital to $20,000 for extending its plant, etc.

TROY, N. Y.—The electric light commissioners are considering the question of extending the electric plant at a cost of $40,000.

CAPE MAY, N. J.—The plant here will be extended, according to reports. E. K. Bull, of Racine, Wis., and J. H. Brainard, of New York, are interested.

TRENTON, N. J.—The Trenton Heat & Power Co. proposes to build a heating plant at once. C. A. Hague is Engr., 114 Liberty St., New York.

CONNELLSVILLE, PA.—The Westinghouse Electric & Mfg. Co. has secured a contract from the P., McK. & C. Ry. Co. for the power equipment for its new plant, to cost about $1,000,000. Contracts for other machinery has been let to the Allis-Chalmers Co., of Milwaukee, Wis., etc.

BRYN MAWR, PA.—Frank A. Small, of Hempton, Va., has been awarded the contract for an electric light and heat plant, to cost about $170,000, for the college here.

PHILADELPHIA, PA.—Cope & Stewardson, 320 Walnut St., Philadelphia, are reported as taking the bids for a power plant.

WELCH, W. VA.—We are informed that the Welch Water, Light & Power Co. will build an electric plant at once to cost $5,000. The water-works plant is completed. Howell & Taylor, Engrs., Washington, D. C., and Welch.

TALLADEGA, ALA.—The light and water commission proposes to build an electric plant to cost $10,000.

HOMER, LA.—An election will be held June 26 to vote on the question of issuing $10,000 in bonds for an electric plant.

LEBANON, TENN.—Bids are asked until June 26 for improving the electric plant, as stated in our advertising columns. Granbery Jackson, Engr., Nashville and Tullahoma, Tenn.; A. M. McClain, Mayor.

BARBOURVILLE, KY.—We are informed that contracts for the electric plant to cost $5,000 for the Barbourville Electric Light Co. have been let.

LEXINGTON, KY.—Bids are asked until noon June 18 for boilers, ice plant, electric generators, etc., for the Eastern Kentucky Asylum. Cramer & Cramer, Engrs.; R. P. Stall, Pres.

COLUMBUS, O.—The Citizens' Heating & Lighting Co. has asked for a franchise for a light and heating plant to cost about $300,000. Address John D. Karns.——Contracts will be let at once for the proposed city electric plant on the west side to cost $175,000. Address Director Immel of the department of public works.——The Pennsylvania R. R. will use electricity in its new power house at the shops in this city and has awarded contracts for three 300-K-W. direct-current generators to the Westinghouse Electric & Mfg. Co., and for three 500-HP. vertical non-condensing compound engines to the Ball & Wood Co., of Elizabeth, N. J. Plans have been completed for the new building, and bids will soon be called. The structure will be of brick with a slate roof.

FINDLAY, O.—The Logan Gas & Fuel Co., of Lancaster, O., has asked for a franchise for a gas plant. The gas will be brought through a 16-in. main from Sugar Grove, about 130 miles from here. The main will supply gas to Mansfield and other towns. The pipe and supplies are reported as being secured.

PAINESVILLE, O.—The Painesville Gas Co. has let the contract for improving the plant and installing machinery at a cost of $25,000 to Fred. Bredell, of Milwaukee, Wis. Geo. P. Steele is Pres.

SPRINGFIELD, O.—The Citizens' Heating & Lighting Co. has asked for a 25-year franchise for an electric plant.

WELLSTON, O.—Bids are asked until June 30 for the purchase of $14,500 of 4% light bonds and $4,000 of 5% cemetery bonds. T. P. Wangler, Cy. Clk.

INDIANAPOLIS, IND.—The Merchants' Association has decided to build a central heating and lighting plant, and will form the Merchants' Heating & Lighting Co., with a capital of $150,000. A chimney 175 ft. high will be built. F. L. Mayer, Pres. Merchants Assoc.——The Citizens' Co-operative Hot Water, Heating & Electric Light Co. has asked for a franchise. Address Wirt C. Smith.

NEWCASTLE, IND.—The Newcastle Light, Heat & Power Co. has been granted a franchise. Capital stock, about $100,000.

GRAND RAPIDS, MICH.—The water power owners on the West Side Canal are considering the question of either repairing or rebuilding the dam.

HOUGHTON, MICH.—Stone & Webster, of Boston, Mass., have secured control of the Peninsula Electric Light & Power Co. The plant, it is stated, will be extended. Wm. G. Rice, of this place, is interested.

ZEELAND, MICH.—This place has voted to issue $18,000 in bonds for an electric plant and water-works.

DWIGHT, ILL.—Bids are asked for furnishing 36 or more 2,000-c. p. arc lights. Geo. S. Baker, Village Clk.

NEW GLARUS, WIS.—Bids are asked until June 17 for furnishing a 30-HP. gasoline engine of the vertical type and adapted to operating an electric plant. W. G. Kirchoffer, Engr., Baraboo, Wis.

CLINTONVILLE, WIS.—Prof. B. V. Swenson, of Madison, Wis., has prepared plans for a plant, according to reports. F. Ganse is Cy. Clk.

INDEPENDENCE, WIS.—This place has voted to issue bonds for an electric plant.

OSHKOSH, WIS.—The Oshkosh Electric Light & Power Co. proposes to build a new power plant at a cost of $12,000. Wm. Winters, Arch.

LAMBERTON, MINN.—Bids are asked until June 16 for a gas plant. C. A. Zieske, Recdr.

LITTLE FALLS, MINN.—The Little Falls Electric & Water Co. proposes to build a new power station, street railway, etc., at once. Benj. H. Warren is Pres., Pittsburg, Pa.

MANKATO, MINN.—Local papers state that Jas. H. Collins, of Chicago, Ill., proposes to build a gas plant.

KANSAS CITY, MO.—The Metropolitan St. Ry. Co., it is stated, intends to begin work at once on its proposed new power house, to cost about $2,000,000.——Jos. J. Heim and Geo. Hucke have asked for a franchise for a natural gas plant.——An election will be held July 1 to vote on the question of building a municipal electric plant to cost about $400,000. J. A. Reed, Mayor; E. J. Becker, Clk.

COLEMAN, TEX.—Bids were received June 9 by the city clerk for an electric plant.

HOLDENVILLE, IND. TER.—W. & A. Otto, of Fredonia, Kan., propose to build an electric plant here, according to reports.

DENVER, COLO.—Local papers state that eastern capitalists are understood as favorably considering the scheme of Jas. E. Rhodes, of the Denver Power & Irrigation Co., to build a power plant on the River Platte. It is hoped that work will be begun this month and be completed in two years. The power house and converters will cost $400,000, the transmission line $700,000, the dam and tunnel $1,800,000. Gen. Irving Hale, Supt. Western Div. General Electric Co., Denver, is interested.

BAKER CITY, ORE.—Bids are asked until June 6 for the machinery for developing the power on Eagle Creek, Baker county, for the Oregon Electric Power Co. We are informed that the company will transmit about 10,000 HP. to La Grande, Baker City, Sumpter, etc. H. H. Andrews, Pres.; A. B. Frame, Gen. Mgr., C. of C. Bldg., Portland, Ore.

CORONA, CAL.—H. C. Kellogg, of Santa Ana, Cal., is reported as making surveys for a power canal for the Riverside Power Co.

SAN DIEGO, CAL.—The Southern California Mountain Water Co. is reported as arranging to build a power dam and plant and an irrigation system in San Diego county.

SAN FRANCISCO, CAL.—The Feather River Power Co., recently incorporated with a capital of $5,000,000, is reported as about to begin work on a tunnel two miles long through a mountain at Big Bend to the Feather River, in connection with the proposed power plant, to have a capacity of 85,000 HP. The plant will cost about $2,000,000. Chas. Webb Howard is Pres.; Chas. L. Fair is Vice-Pres.

BRIDGES.

BOSTON, MASS.—The following bids have been received for building the piers of the Atlantic Ave. bridge in the yard of the Boston Terminal Co.: Patrick McGovern, $19,500; Wm. L. Miller, $31,873; Wm. Lawler, $26,000; Holbrook, Cabot & Rollins, $20,400; Thos. J. Hind, $27,500; Jones & Meehan, $20,230; Connors Bros., $21,900.

LAWRENCE, MASS.—An ordinance setting aside $25,000 for a culvert across Bloody Brook has been before the council.

NORTH ADAMS, MASS.—The following bids were received June 3 for various bridge work; Capt. F. Stowell, Consult. Engr., Albany, N. Y.: (1) being bid for lower Union bridge, (2) for Greylock bridge: Canton Bridge Co., Canton, O., (1) $15,000, (2) $2,500; United Construction Co., Albany, N. Y., (1) $13,490, (2) $2,236; New England Structural Co., Boston, Mass., (1) $12,500; Groton Bridge Co., Groton, N. Y., (1) $12,000, (2) $2,000; Owego Bridge Co., Owego, N. Y., (1) $10,700, (2) $1,590. The contract was awarded to the Owego Bridge Co.

PROVIDENCE, R. I.—City Engineer Clapp has suggested, and plans have been drawn, that the steep grade from South Main St. to Benefit St. be overcome by the construction of a viaduct.

ITHACA, N. Y.—Plans and specifications for the Six Mile Creek bridge at Albany St. have been completed and, according to press reports, bids are to be called for soon. The bridge is to be 94 ft. long, with a roadway of 18 ft. The cost is estimated at about $3,000.

NEW YORK, N. Y.—Bids are asked by the commissioner of bridges, 21 Park Row, until June 19 for removing piers of bridge formerly connecting Pelham Bay Park with City Island. Gustav Lindenthal, Comr.

ROME, N. Y.—Local press reports state that it is probable that the state engineer's office will have the plans for the Erie Canal bridge at South James St. prepared early in June.

SANDY HILL, N. Y.—Supervisors of Washington and Saratgoa counties have been considering plans for a concrete and a steel bridge to be erected across the Hudson River at this place. The cost will be about $36,000.

SYRACUSE, N. Y.—The Syracuse Rapid Transit Co. has been granted leave to substitute a steel lattice truss bridge for the present wooden structure across the Oswego Canal at Park St.

SYRACUSE, N. Y.—It is reported that the supplemental tax budget will contain an item of $27,500 for the city's share of the cost of constructing a new hoist bridge in North Salina St.

NEW BRUNSWICK, N. J.—The board of freeholders have decided to construct a bridge between Perth and South Amboy at a cost not to exceed $150,000. The freeholders will submit the plans prepared by the American Bridge Co. to the U. S. War Department for its approval.

PASSAIC, N. J.—A local press report states that the following bids were received here by the county freeholders for the construction of the Clifton Ave. bridge: Passaic Rolling Mill Co., steel bridges, $49,836, $51,536, $54,224; Wynkoop Bridge Co., steel bridges, $47,600, $45,700; concrete, $39,900; F. R. Long Co., steel and concrete structures, $47,900, $43,000, $42,000, $38,900, $29,500, $27,000, $25,300, $23,500, $38,900, $36,875, $32,750, $31,500; Berlin Construction Co., steel, $41,900; John H. Cutley, steel, vitrified brick floors, $53,900; steel, yellow pine floors, $43,100; Home Construction., concrete, $28,000; Dean & Westbrook, steel, $45,000; Hennebique Concrete Co., patent construction, $19,990; concrete, $35,000.

CARLISLE, PA.—Reports state that plans are being made by Engineer T. B. Nelson, Chambersburg, Pa., for a 90-ft. steel Cumberland county bridge to be erected at South Middletown township.

CHAMBERSBURG, PA.—Viewers have reported favorably and the county court will take action in September regarding the construction of a single-span, stone-arch bridge, 120 ft. long, at Market St.

CUMRUF, PA.—Bids will be received by the township supervisors at the office of Jacobs & Keiser, 531 Court St., Reading, Pa., until June 14 for constructing temporary bridge across Angelica Creek.

LANCASTER, PA.—James W. Deller, County Clk., writes us that the proposed bridge for Grists Fording is not to be built this year.

READING, PA.—The present western approach of the Schuylkill Ave. bridge is to be removed and the length of the structure increased 134 ft. Plans for this work were submitted to the county commissioners by M. M. Dreibelbis, C. E.; estimated cost of work between $8,000 and $9,000.

WASHINGTON, PA.—Reports state that a contract is to be given out soon by the directors of the Upper Ten Mile Plank Road Co. for erecting a new bridge in North Franklin to replace the present structure over the creek.

COLUMBUS, GA.—The contract for a steel bridge across Bull Creek on the Cusseta Road has been let to Southern Bridge Co., Birmingham, Ala., for $3,224. It is reported that the commissioners plan to gradually replace all wood county bridges by steel structures.

INDIANAPOLIS, IND.—Bids will be received by the Marion county commissioners, Harry B. Smith, Auditor, until June 17 for constructing nine concrete or stone-arch bridges, and until July 1 for constructing one concrete or stone-arch bridge and two steel-plate girder bridges.

WASHINGTON, IND.—Petitions have been filed calling upon the commissioners to order an election for the purpose of voting on a proposition to build two bridges across West White River at a cost of $32,000.

BELLEVILLE, ILL.—A committee of the supervisors, according to reports, have recommended that a steel bridge with stone abutments and having a 60-ft. span, replace the present structure on Post Oak Road in Engelman.

CHICAGO, ILL.—A local press report states that the sanitary district is already drawing up plans for a new bascule bridge at Dearborn St., to take the place of the weak city structure now there. However, work on the new bridge probably will not begin until next winter.

SPRINGFIELD, ILL.—Surveys for the Chicago & Alton Ry. viaduct at Eighth St. and Eastman Ave. are now in the chief engineer's office at Chicago, where plans and specifications for the improvement are already under way.

HARVEY, IA.—A wagon bridge is to be built across the Des Moines River at this place some time this season. R. A. Pellmar, Co. Supervisor, is on the bridge committee.

CARTHAGE, MO.—The county bridge commissioner has been ordered to make an estimate of cost of constructing steel bridges over Center Creek, south of Reeds Station, and over Turkey Creek, south of Webb City.

INDEPENDENCE, MO.—A local report states that the Metropolitan St. Ry. Co. is preparing to erect a new steel bridge over the Blue River, east of Sheffield, to take the place of the old wooden structure.

EL RENO, OKLA. TER.—Press reports state that the recent high water caused considerable damage to bridges in the vicinity of Brideport, Kingfisher and this city.

GUTHRIE, OKLA. TER.—The secretary of the interior has approved a claim of $3,500 for a bridge over Ash Creek, Commache county, and the building of the bridge can commence at once. W. B. Poole, Chn. Kiowa Co. Comrs., has also made requisitions for three bridges.

NOBLE, OKLA. TER.—A press report states that the South Canadian River in the recent freshet washed away a wagon bridge at this place valued at $20,000.

PAWNEE, OKLA. TER.—Reports state that three of the bridges near this city are almost total wrecks as a result of the recent high water in Black Bear Creek. The total cost of the three bridges was $5,500.

ABERDEEN, WASH.—The council has adopted a resolution calling for a special election to vote $100,000 bonds for the refunding of $40,000 bonds now outstanding, and for a bridge, a sewer system and a water reservoir.

COLENDALE, WASH.—Reports state that bids are asked until July 10 for the construction of a bridge across Swale Creek at Frick. E. O. Spoon, Co. Audr.

WALNUT, ONT.—The ratepayers of Brooke township are to vote on a by-law to raise $9,000 for the erection of two steel bridges.

BUILDINGS.

BOSTON, MASS.—Clinton J. Warren, Arch., has prepared plans for a 6-story brick and stone office building to be erected on Boylston St. for the Boylston Building Trust. The new structure will be 10 stories high and will cost $225,000.

CAMBRIDGE, MASS.—The following bids were received on June 3 for building the Willow St. school house: John B. Byrne, $87,377; Morrill & Whiton Construction Co., $85,472, with terra cotta substituted for limestone, $83,192; C. H. Belledue, $83,333; Mack & Moore, $82,900; Conners Bros., $79,900, terra cotta sub., $77,620; A. B. Murdough, $79,627; W. A. Prescott, $75,500; Wm. I. Mable, $75,000; Lord Bros., $74,722, terra cotta sub., $72,722; H. P. Cummings & Co., $73,887, terra cotta sub., $71,787; William Crane, $71,900, terra cotta sub., $69,400; Henry McGahey, $70,870, including bluestone foundation; Frank G. Coburn & Co., $67,700, terra cotta sub., $69,500.

NEWBURYPORT, MASS.—J. A. Walker has secured the property at Pleasant and Green Sts. and will put up a block on the site that may include an opera house.

GREENWICH, CONN.—It is stated that the New York, New Haven & Hartford R. R. has decided to build a new station at this place.

NEW HAVEN, CONN.—Prof. R. H. Chittenden, Director of the Sheffield Scientific School, has announced a gift to the board of trustees of the Sheffield Scientific School of a new laboratory building for mineralogy, inorganic geology and physiography. The new building will be known as the Kirtland Building, and will be four stories high, 95 × 65 ft.

WATERBURY, CONN.—Curtis & Johnson, Archs., Hartford, write us that the office building to be erected by L. A. Platt, executor, will be four stories, 60 × 85 ft., of steel and brick and fireproof construction, equipped with gas and electric lighting and steam or hot water heating. The contracts for the steel and fireproofing have already been let.

BROOKLYN, N. Y.—The bids received by the board of education on June 4 for the erection of the normal training high school at Seventh Ave., between Fourth and Fifth Sts., were as follows: Patrick J. Brennan, $488,000; William & Thomas Lamb, $510,063; Peter Cleary, $523,921; Rutan & Hemingham, $531,000; Patrick J. Walsh, $543,000. The building will be 200 × 257 ft., and will accommodate 2,600 pupils.

FORT WADSWORTH, N. Y.—Bids are asked until June 21 for erecting a double set of quarters at Fort Wadsworth. Lt. E. C. Pierce, Q. M.

NEW YORK, N. Y.—Bids are wanted by the department of parks, Arsenal Bldg., Fifth Ave. and 64th St., until June 19 for the erection of an antelope house, aviary ostrich house and for the iron work for four inclosures for bears in the New York Zoological Park, Borough of the Bronx. ——Stanford White, Arch., of McKim, Mead & White, 160 Fifth Ave., has been engaged by Mrs. Cornelius Vanderbilt to design a new front for St. Bartholomew's Church, Madison Ave. and 44th St., as a memorial to her husband. Two sets of bronze doors will be included in the work. The total cost will be about $200,000.

NEW YORK, N. Y.—Plans have been filed by Surpless & Lutz, Archs., 67 West 125th St., for a 10-story brick loft building, 27 × 88 ft., at 61 East 11th St. H. O. Koelble, Arch., 67 West 125th St.; by the 86th St. Co., 127 West 42d St., for a 12-story brick hotel, 205 × 114 ft., at Broadway, 85th to 86th St., to cost $1,550,000. H. B. Milliken, Arch., 7 East 42d St.; by G. W. Karpa, 30 Beekman Place, for a 6-story brick tenement, 49 × 76 ft., in Third Ave., to cost $45,000. G. F. Pelham, Arch., 503 Fifth Ave.; by the West Side Construction Co., 2603 Broadway, for a 6-story brick tenement, 63 × 187 ft., in West 94th St., to cost $75,000. G. F. Pelham, Arch.; by Goodman & Wallach, 1439 Madison Ave., for a 6-story brick tenement, 48 × 72 ft., in Avenue B, to cost $40,000. Bernstein & Bernstein, Archs., 111 Broadway; by M. S. A. Wilson, 210 East 79th St., for two 6-story brick tenements, 36 × 88 ft., at 322-26 East 117th St., to cost $80,000. Sass & Smallheiser, Archs., 23 Park Row; by the Butterick Publishing Co., 7 West 13th St., for a 16-story brick office building, 79 × 214 ft., at Spring and Macdougal Sts., to cost $1,000,000. Horgan & Slattery, Archs., 1 Madison Ave.; by Friedman & Feinberg, 329 East 116th St., for a 6-story brick tenement at 110-12 Delancey St., to cost $35,000. Bernstein & Bernstein, Archs.; by Dr. P. Meirowitz, 202 West 131st St., for a 6-story brick tenement, 75 × 87 ft., in 129th St., to cost $150,000. Neville & Bagge, Archs., 217 West 125th St.; by A. Silversen, 236 East 61st St., for a 6-story brick tenement, 40 × 67 ft., at Stanton and Suffolk Sts., to cost $43,000. G. F. Pelham, Arch.; by the City of New York, for a 2-story engine house, 51 × 76 ft., on the White Plains Road, to cost $30,000. Horgan & Slattery, Archs., 1 Madison Ave.; by the Wall St. Exchange Bldg. Co., 25 Nassau St., for a 25-story office building at 43-49 Exchange Place, to cost $700,000. Clinton & Russell, Archs., 32 Liberty St.; by Chas. Dana Gibson, for a new 5-story dwelling, 22 × 69 ft., with an extension 11 × 19 ft., at 125 West 73d St., to cost $40,000. McKim, Mead & White, Archs., 160 Fifth Ave.; by the Madison Ave. Real Estate Co., 99 Nassau St., for a 7-story apartment house, 50 × 100 ft., at Madison Ave. and 60th St., to cost $110,000.

WATERTOWN, N. Y.—All of the bids for the new Holy Family Church, to be erected by Father M. R. Burns in this city, have been rejected and new plans will be drawn by J. W. Griffin, Arch. The sum of $84,000 will be expended for the erection and furnishing of the edifice. ——Breman, Hodge & O'Brien have been awarded the contract for the new fireproof county building in Watertown, to cost $47,798.

NEWARK, N. J.—Hurd & Sutton, Archs., have filed plans for a 6-story apartment house at Broad and West Kinney Sts., to cost $150,000. The building will be four stories, of brick and iron construction, and will be owned by Fisher & Hart.

TRENTON, N. J.—Arnold H. Moses, Arch., 419 Walnut St., is preparing plans for the new senate wing for the New Jersey state capitol in this city. It will be two stories, 72 × 124 ft., and will cost $150,000.

BRYN MAWR, PA.—Plans are being prepared by Cope & Stewardson, Archs., 320 Walnut St., Philadelphia, for a 3-story fireproof library building for Bryn Mawr College, to cost $250,000.

BUTLER, PA.—The Henry Shenk Co. has received the contract for erecting the Butler County National Bank, to cost about $125,000.

LANCASTER, PA.—Bids are being taken by Chas. W. Bolton & Co., Archs., Witherspoon Bldg., for a stone church and Sunday school for the St. Paul's Reformed Church, costing about $50,000. Rev. J. W. Meninger, Pastor, 50 East Orange St.

PHILADELPHIA, PA.—Edwin Hazelhurst, Arch., Girard Bldg., will soon start plans for a 2-story stone church for the Fourth Presbyterian Church, at 47th St. and Kingsessing Ave. It will be 59 × 93 ft. and will cost $45,000.——The Hotel Vending Co. will erect two additional stories to the building at 12th and Market Sts., at a cost of $50,000. J. F. Stuckert & Son, Archs., 1421 Chestnut St.——Jacob Myers & Sons, Juniper and Sansom Sts., has received a contract for the erection of a 4-story residence for J. Gardner Cassatt at 1418 Spruce St., costing $70,000.——It is not decided by the German-American Title & Trust Co. whether the proposed office building at Broad and Arch Sts. will be erected or not.——The contract for erecting a tenement house for the Octavian Hill Association, at Seventh and Catherine Sts., has been let to W. W. Rea's Sons. It will be four stories high, 130 × 70 ft., and will cost $40,000.

PITTSBURG, PA.—Local papers state that a new apartment house, costing $30,000, is to be erected in Bushton by Robinson & Bruckman. It will be three stories, 40 × 100 ft. Plans have been completed and it is expected the work of construction will soon begin.

BALTIMORE, MD.—Application has been made by Rev. M. F. Foley for a permit to erect a Catholic church and sisters' home at Caroline and Oliver Sts., at a cost of $80,000.——The American Can Co. has secured a permit for the erection of a $60,000 building at Boston and Luzerne Sts. The building will be an addition to the company's plant and will be used mainly for storage purposes.——Plans are being prepared by Baldwin & Pennington, Archs., 44 South St., for a 4-story brick, stone and steel bank building for the Commonwealth Bank at Howard and Madison Sts.——Ellicott & Emnart, Archs., Union Trust Bldg., are ready for bids for a 2-story addition to an office building at Calvert St. and Dark Lane for the Mutual Life Insurance Co., Baltimore. Henry Roth is Secy., 2 South Holliday St.

LEONARDTOWN, MD.—Bids are asked until June 17 for the erection of a 3-story brick building, 75 × 30 ft., for the St. Mary's Female Seminary at this place. Jos. H. Key, Secy. Bd. Trustees.

OAKLAND, MD.—Bids are asked until June 14 for the construction of a brick business and banking building for the First National Bank at Oakland. F. A. Thayer, Pres.; John C. Tibbets is Arch., Grafton, W. Va.

PIKESVILLE, MD.—An appropriation of $50,000 has been granted for a 2-story armory for Troop A, Maryland National Guard.

WASHINGTON, D. C.—James G. Hill, Arch., Corcoran Bldg., is taking bids on the demolition of the old building on the southeast corner of Connecticut Ave. and L St., N. W., and will soon want estimates on the construction of an apartment house on the site for John Hay, Secretary of State. The new building will be eight stories, 194 × 246 ft., and will cost $200,000.——Bids will soon be wanted by Robt. U. Fleming, Arch., 1419 G St., N. W., for alterations to the Shoreham Hotel, costing $150,000.——The following bids were received by the supervising architect for the construction of a laboratory at the U. S. Marine Hospital at Washington: Joseph Richardson, Washington, $37,377, time 12 months; Chas. McCaul Co., Philadelphia, $38,100, 12 months; D. F. McKabee, city, $38,374, 14 months; G. W. Corbett, city, $37,498, 13 months; Henderson & Co., Ltd., Philadelphia, $41,973; Meads & Reynolds, city, $38,869, 14 months; W. E. Spier, city, $33,000, 12 months; Pavarini & Greer, city, $39,291, 14 months; Arthur Cowsill, city, $34,967, 12½ months; John F. Buckley, Baltimore, Md., $41,998, 10 months; Jas. H. Coster, Baltimore, $43,900, 14 months; A. B. Stannard, New York, $36,666, 12 months; Herman Probst, New York, $35,882, 14 months.

FORT MONROE, VA.—The secretary of war has notified the owners of the Hygeia Hotel and other private establishments on the military reservation at Fort Monroe that their buildings must be removed to make way for new buildings for military purposes.

NEWPORT NEWS, VA.—Bids are asked until July 1 for the erection of a church building for the congregation of the Newport News Baptist Church. W. B. Vest, Chn. Bldg. Com., Citizens' & Marine Bank, Newport News.

NORFOLK, VA.—Bids are asked until June 21 for the construction of a 1-story fireproof building, 60 × 240 ft., at the navy yard. M. T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., Washington, D. C.

HUNTINGTON, W. VA.—Bids are asked until June 20 for the erection of a Carnegie library. J. R. Stewart, Arch.

BIRMINGHAM, ALA.—R. A. Hunt, Arch., has been commissioned to draw plans for the new edifice for the First Baptist Church, to cost $40,000.

BIRMINGHAM, ALA.—The synodical committee of the Presbyterians, who propose to build a synodical school for men in this state, has appointed a committee to solicit subscriptions for the proposed college, amounting to about $150,000.

NATCHITOCHES, LA.—Bids are asked until June 22 for the erection of a 3-story brick store and hotel building. J. C. Trichel, Jr., Secy. Hotel Co.

LOUISVILLE, KY.—Kenneth McDonald & Shelbiessy, Archs., Fourth and Main Sts., inform us that drawings for the grain elevator and warehouse for Geo. Becker & Co., 15th St. and Columbia Ave., have been completed and the contract will be let about June 20. The buildings will cost $12,000. Grains hoppers and necessary machinery will be needed.

PARIS, KY.—Frank P. Milburn, Arch., Columbia, S. C., has been commissioned to prepare plans for a court house building to replace the structure destroyed by fire last October. The new building will cost about $160,000.

CINCINNATI, O.—A. O. Eizner and Geo. M. Anderson, Archs., have planned the proposed Ingalls Bldg., a 15-story structure, to be erected at Fourth and Vine Sts., at an estimated cost of $700,000. The work of tearing down the present building on the site will begin in August and work on the new buildings will be started as soon as the site is cleared.

TOLEDO, O.—Bids are asked until June 16 for the erection of a school building in school district No. 3. F. H. Venia, Pres., Station "A," East Toledo.

LEO, IND.—Bids are asked until June 16 for the erection of a 4-room school building. Jerry Klopfenstine, Trustee.

MARION, IND.—The county commissioners are discussing plans for a $100,000 jail and sheriff's residence.

CHICAGO, ILL.—Permits have been issued to the Chicago City Ry. Co. for the following buildings: 1-story blacksmith shop, 252 × 92 ft.; a 1-story wagon shop, 252 × 92 ft., cost $24,500; machine shop, 216 × 202 ft. and 216 × 40 ft., $100,000; 1 and 2-sty carpenter and paint shop, 302 × 92 ft. and 302 × 30 ft., $39,000; 1-story power house, 100 × 53 ft., $13,000; 1-story mill, 272 × 92 ft. and 273 × 30 ft., $28,500; frog mill and foundry, 140 × 92 ft., $25,000; 1 and 2-story stable, 56 × 17 ft. and 43 × 26 ft., $5,000.——W. J. Brinkman, Arch., 163 Randolph St., is at work on plans for St. Patrick's Catholic parochial school, to be built at Commercial Ave. and 95th St., South Chicago. It will be three stories, 65 × 138 ft., and will cost $40,000.——The Bohemian-American Catholic Society will erect a 5-story building, 75 × 125 ft., on West 48th St., near Blue Ave., to cost $50,000.——The authorities of the University of Chicago have decided to erect a womans' gymnasium, at a cost of $30,000.——Permits for buildings have been secured as follows: Mrs. J. K. Borland, 18-story brick building, 177-85 La Salle St., to cost $500,000; S. T. Cooper, three 3-story apartments, 4400-08 Prairie Ave., $60,000; J. C. Cockburn, two 3-story apartments, at 5714-22 Calumet Ave., $50,000; Harry Homeward, 3-story apartment, at 315-21 West 72d St., $45,000; John Hughes, 3-story apartment, 4340-50 Calumet Ave., $54,000.

DE FOREST, WIS.—Bids are asked until June 23 for the erection of a church building, 40 × 80 ft. J. H. Hasgaard, Chn. Com.

MILWAUKEE, WIS.—The county board has decided to issue $85,000 in bonds for the completion of improvements at the county hospital.

DES MOINES, IA.—M. and J. J. Rumley, of the Rumley Mfg. Co., Laporte, Ind., have decided to erect a warehouse in this city.——The lowest bid received for the erection of 10 government buildings at the army post was submitted by Chas. H. and Fred. W. Weitz, at $158,904. The other bidders were S. A. Robinson, $161,151, and the Capitol City Brick & Pipe Co.——A commission will be appointed by Governor Cummins to complete the work at the Iowa State Capitol, at a cost of $250,000.

OMAHA, NEB.—It is stated that the Nebraska Telephone Co, will start work within 30 days on the erection of another 3-story building, costing $100,000. General Manager Lane has submitted plans to the board of directors.

JOPLIN, MO.—Bids are asked until June 30 for the erection of a Carnegie public library at Joplin. A. C. Michaelis, Arch., 407 Main St.

ST. LOUIS, MO.—Bids are asked until June 20 for the construction of the Fine Arts Building of the Louisiana Purchase Exposition, as stated in our advertising columns. Isaac S. Taylor, Dir. Wks., Lindell Boulevard and Skinker Road.

BONHAM, TEX.—Plans and specifications will be received by the Girls' Industrial College until July 1 for the erection of a 3-story building, containing eight or ten lecture rooms, costing about $45,000. Rosser Thomas, Chn. Bldg. Com.

HOUSTON, TEX.—A resolution has been offered by the aldermen authorizing the mayor to contract for the erection of a city hall and market house, at a cost of $200,000.

WACO, TEX.—The committee appointed by the Masonic lodge to prepare plans for the new Masonic temple at Waco has selected an architect to do the work. The proposed building is to be three stories high, 100 × 130 ft., and will cost $100,000.

DENVER, COLO.—Lawrence C. Phipps will give a hospital building for tuberculosis patients to the State of Colorado, to cost $250,000.

PASADENA, CAL.—Plans are wanted until June 28 for the construction of a city hall and jail in this place. Hemen Dyer, Cy. Clk.

RIVERSIDE, CAL.—The county supervisors have adopted a resolution calling for a special election to be held July 8 to vote on the question of issuing $150,000 in bonds for the erection of a court house.

RIVERSIDE, CAL.—The contract for the erection of the new Glenwood Hotel has been let to Wilcox & Rose, of Colton. The building will cost $165,000.

VALLEJO, CAL.—The following bids were received by M. T. Endicott, Ch. Bureau Yards and Docks, Washington, D. C., on June 7 for the construction of a shipwright's shop at the Mare Island Navy Yard: W. N. Concanon, San Francisco, (1) $62,345, (2) $61,845; Clark & Henery, Stockton, (1) $64,775, (2) $65,075, (3) $61,275, (4) $61,575; Wm. H. Daly, San Francisco, (1) $61,633 (accepted), (2) $61,933.

OTTAWA, ONT.—Bids are wanted for the erection of a gymnasium at the Military College at Kingston, Ont., and for a new post office at Clinton, Ont. Fred. Gelinas, Secy. Dept. Pub. Wks., Ottawa.

TORONTO, ONT.—New bids will be called by the Minister of Public Works for the new Science building in Toronto. Address F. R. Latchford, Minister of Pub. Wks.

WALKERTON, ONT.—Bids are asked until June 16 for the erection of a general hospital for the county of Bruce. D. MacGillivray, Secy.

WHITE LAKE, ONT.—Bids are asked until June 20 for the erection of a stone building for the Presbyterian Church. S. R. McKewen, Tehkummah, Manitoulin Island, may be addressed.

WATER SUPPLY AND IRRIGATION.

ENFIELD, N. H.—E. B. Huse, Chn. Com., writes us that the Enfield village fire district has made the preliminary surveys for gravity works, to cost about $40,000, which it was voted to build June 5. Final action will be taken on an appropriation June 19. There will be about 1½ miles of main pipe line and about four miles of distribution lines. Robt. Fletcher, Hanover, N. H., and Albert W. Dudley, Exeter, N. H., are the engineers.

ADAMS, MASS.—L. A. Weston, of Adams, has been awarded the contract for a deep-well system for an increased water supply. A subcontract will be let to Roy & Co., of Providence, R. I.

FORT REVERE, MASS.—Bids are asked until June 19 for a water tower, stand-pipe, etc., at Fort Revere, as stated in our advertising columns. A. M. Palmer, Depot Q. M., U. S. A., 170 Summer St., Boston.

GREAT BARRINGTON, MASS.—F. A. Russell, Chn. Water Com., writes us that nothing definite has yet been decided upon regarding the securing of a new water supply from Goodale Brook; pop., 5,000.

LAWRENCE, MASS.—The water board has decided that a filter plant is necessary.

NATICK, N. Y.—Geo. Travis, Supt., is reported as preparing plans for the proposed new works, to cost about $125,000. F. L. Fuller is Engr., Wellesley Hills, Mass.

BROOKLYN, N. Y.—Local papers state that Commissioner Dougherty, of the Water Dept., New York, will soon ask for bids for improvements to the works in Brooklyn, to cost $581,000, to include a filter plant at Hempstead reservoir to cost $200,000, new mains $175,000, driven wells, etc., $154,000, new pumping stations and boilers at Millburn $97,000, sinking test wells $5,000. For all purposes the board of estimate allowed the commissioner $888,500. After spending $581,000 of it on Brooklyn, he will spend $250,000 for new water mains in Manhattan and the Bronx, and $57,500 for new mains in Queens.

BUFFALO, N. Y.—Commissioner of Public Works Ward intends to recommend to the council an emergency pumping station, intake, etc., to cost $500,000. H. L. Lyon is Supt. Bureau of Water.

DANNEMORA, N. Y.—H. G. Clark, of Plattsburg, N. Y., is reported as making surveys for works for this place.

ELKLAND, N. Y.—This place has voted to issue bonds for works.

KENMORE, N. Y.—The village board of Tonawanda has decided to furnish this place with a water supply.

NAPANOCH, N. Y.—The Napanoch Water-Works Co. has been incorporated with a capital of $5,000 by L. A. Hoombeck and Geo. Gosselin.

NORWOOD, N. Y.—R. D. Read, Village Pres., writes us that this place on June 3 voted to build works and a sewerage system.

ORISKANY, N. Y.—This place has voted to issue $19,000 in bonds for gravity works.

OSWEGO, N. Y.—The water department is considering the question of securing a new water supply from Lake Ontario.

WALLKILL, N. Y.—This place is considering the question of building works.

YONKERS, N. Y.—Bids are asked until July 3 for furnishing water pipe, etc., as stated in our advertising columns. A. W. Kingsbury, Clk.; Jos. H. Beall, Pres.

ATLANTIC CITY, N. J.—It is stated that the local water commission, in its annual report to city council, recommended the purchase of the Absecon watershed and the installation of a filtering plant. Other improvements to the source of the municipal water supply to cost $95,000 are also urged. Storage basins to hold 12,000,000 gallons of water in reserve are to be built. This item was incorrectly printed last week as Atlantic City, N. Y.

AVON, N. J.—The Avon Water Co. has been incorporated with a capital of $100,000 by L. H. Carpenter, B. H. Stanton and J. B. Duff.

EGG HARBOR, N. J.—The Pleasantville Water Co. has asked for a franchise for a pipe line through this place.

SALEM, N. J.—Robt. Gwyne, Jr., Mayor, writes us that a representative was here to investigate the possibility of installing a filter plant. Nothing further has been done.

ALLEGHENY, PA.—It is stated that the Snow Steam Pump Works has been awarded the contract at $223,000 for two 15,000,000-gallon pumps, and the Allis-Chalmers Co. that for a 5,000,000-gallon pump at $37,000. The contract for boilers and stokers for the former pumps has been let to the Pittsburg Gauge & Supply Co., at $25,800, and those for the other pump to W. F. Patterson, of Pittsburg, at $12,248.

BEAVER FALLS, PA.—The Beaver Valley Water Co. has secured control of the Peoples Water Co.

FRACKVILLE, PA.—The Citizens Water Co. has been incorporated with a capital of $25,000. Wm. C. Wagner, Pres.; Dr. C. A. Bleiler, Secy.

HUMBERT (P. O. URSINA), PA.—Robt. A. Reighard, Lincoln St., Johnstown, Pa., is reported to have been awarded the contract by the Ursina Coal Mining Co. and the U. & N. F. R. R. Co. for constructing water-works, sewers, railway, etc. About $150,000 will be spent in improvements by the company. G. S. Fetterman is Engr., Johnstown, Pa.

LANCASTER, PA.—Reports state that the Lancaster Water Co. has offered to lease the municipal works for $900,000, and to spend about $450,000 in improving the same.

MARCUS HOOK, PA.—Wm. Volkhardt, of the Crystal Water Co., Stapleton (L. I.), N. Y., it is understood, intends to submit a proposition to build new works.

PATTERSON HEIGHTS, PA.—The Patterson Heights Water Co. has been incorporated with a capital of $1,000.

PHILADELPHIA, PA.—Bids are asked until June 25 for a pumping station, filters, etc., at the Upper and Lower Roxborough reservoirs. W. C. Haddock, Dir. Dept.

PORTAGE, PA.—P. J. Fagan has been awarded the contract for building a reservoir here to cost $17,500.

WEST BERWICK, PA.—The West Berwick Water Supply Co. has been incorporated with a capital of $1,000.

BALTIMORE, MD.—The water board proposes to spend $18,000 in extending the water meter service.

SALISBURY, MD.—L. S. Bell, Secy. and Gen. Mgr. Salisbury Water Co., writes us that the company proposes to build a new brick station, 35 x 75 ft., sinking new wells, rebuilding one of the pumps, laying 3,000 ft. of 6-in. pipe, etc. The work will be done by the company, but the materials will be bought in the open market.

LYNCHBURG, VA.—H. L. Shaner, Cy. Engr., writes us that this city contemplates changing its source of water supply either to Buffalo or Pedlar Run, a distant of 23 miles. Preliminary investigations are being conducted under Mr. Shaner's supervision. Plans and specifications will be submitted late in the fall. Pop., 25,000.

SANFORD, N. C.—It is stated that improvements to the works and streets will soon be made. A. L. McNeil is Mayor.

CHARLESTON, S. C.—We are informed that the Mercantile Trust & Deposit Co., of Baltimore, Md., has secured the contract to build works here. It will be designed by the American Pipe Mfg. Co., 112 North Broad St., Philadelphia. The water will be secured from Goose Creek, 12 miles to the north of the city. While the contract has been signed, the action of the council must be ratified, according to law, by a vote of the people, which will take place June 17. The Am. Pipe Mfg. Co. has pending several large contracts for other work. This company owns the works of the Conshohocken Gas & Water Co., the E. Jersey Coast Water Co., Sumter Water Co., Opelika Water-Works Co., Dawson Water-Works Co., and a number of others. J. W. Ledoux, Ch. Engr.

COCHRAN, GA.—We are informed that no steps have yet been taken regarding the proposed works and electric plant. Collier & Brown are the Engrs., Atlanta, Ga.

STARKE, FLA.—Bids are asked until June 16 for works, according to reports. Collier & Brown are Engrs., Atlanta, Ga.; E. P. Duncan is Secy. Bd. Water-Works.

BESSEMER, ALA.—W. J. Parker, Cy. Engr., writes us that the city will probably investigate, by boring, the availability of new supply from deep wells.

BIRMINGHAM, ALA.—The Birmingham & Suburban Water Co., in which Robt. R. Zell, who recently secured a franchise for works, is interested, has also asked for a franchise to build and operate works to furnish 20,000,000 gallons of water a day. A reservoir will be established on Red Mountain.

BLOSSBURG, ALA.—The question of works and other improvements is being considered.

CENTREVILLE, MISS.—This place will probably vote July 1 on the question of issuing $15,000 in bonds for works, after which bids will be asked, according to reports. H. C. Jenks is Pres., St. Louis, Mo., and Fayette.

CROWLEY, LA.—The Treadway Canal & Rice Co., of this place, has let the contract for the machinery for the pumping station of its proposed irrigation system to the Connersville Blower Co., of Connersville, Ind. This contract is for half the machinery for the system. The contract for the rest will be let after the first crops are harvested. The canal will be from Pine Island to a point 28 miles distant, and will cost about $125,000. The pumping plant will cost about $175,000 more.

CLEVELAND, O.—Bids are asked until July 2 for building the superstructure of a boiler and coal-storage houses on the foundations provided by the city at the Kirkland St. station, as stated in our advertising columns. C. P. Salen, Dir. Pub. Wks.

DAYTON, O.—Parkinson, Burr & Co., of Boston, Mass., have been awarded $100,000 worth of water-works improvement bonds for $101,934.

LIMA, O.—L. H. Rogers, Mayor, writes us that nothing has yet been done in regard to the proposed works extension except to vote in favor of issuing bonds. John Brien, Cy. Engr.

MIDDLETOWN, O.—The question of sinking new wells for an increased water supply is being considered. Address Messrs. Shortle and Doty, of the board of water-works.

NORWALK, O.—Bids are asked until noon June 14 for furnishing the materials for extending the works, as noted incorrectly under Norfolk, O. There will be wanted 3,800 ft. of 8-in. standard water pipe, 8,319 lbs. of specials, one 8-in. valve, 7 hydrants and the necessary lead, twine, trenching, etc., for Cline St.; 4,476 ft. of 6-in. pipe, 4,300 lbs. of specials, nine 6-in. valves, 8 hydrants, etc., for Cortland and West Sts.; 3,400 ft. of 4-in. pipe, 850 lbs. of specials, five 4-in. valves, 3 hydrants, etc. J. M. Chaffee, Chn. Com.; T. P. Kellogg, Clk.

PIQUA, O.—The water-works trustees have decided to put in an auxiliary pumping plant, to cost $10,000, and work will begin at once. Jas. R. Maxwell is Engr., Cincinnati, O.

UPPER SANDUSKY, O.—We are informed that estimates for the proposed filter plant, pipe, etc., have not yet been completed. H. N. P. Dole is Des. Engr., Upper Sandusky, O.

WARREN, O.—W. C. Ward, Mayor, writes us that the city contemplates purchasing the works.

SHOALS, IND.—O. L. Stiles writes us that it is not known when anything will be done in regard to building works. Pop., 1,200.

ARMADA, MICH.—Reports state that a Detroit firm has secured the contract for works to cost $20,000.

KALAMAZOO, MICH.—We are informed that this city has voted to issue $200,000 in bonds for extending the sewers, paving and water-works. E. W. Buckley, Cy. Engr.; J. J. Knight is Chn. Bd. Control.

CHICAGO, ILL.—Bids are asked until Aug. 13 for furnishing and installing three 25,000,000-gallon pumping engines. F. W. Blocki, Comr. Pub. Wks.

ELGIN, ILL.—Bids are asked until June 24 for constructing a pump shaft and tunnels, laying pipe, etc., as stated in our advertising columns. R. R. Parkin, Supt.

GENESEO, ILL.—Bids are reported as being received for new water pipe. H. F. Hoeft, Cy. Clk.

PAXTON, ILL.—Bids are asked until noon June 14 for laying water mains. C. F. Hilman, Engr.; M. H. Cloud, Mayor.

PEORIA, ILL.—The council is urging the Peoria Water Co. to lay another water main from the reservoir to the city.

ELLSWORTH, WIS.—This place has voted to issue $15,000 in bonds for works, the contract for which will be let at once, according to reports.

JEFFERSON, WIS.—W. S. Henry, Mayor, writes us that this place recently voted to issue $7,500 in bonds for extending the works.

NEW GLARUS, WIS.—Bids are asked until June 17 for a deep well triplex pump, a power house and a 30-HP. gasoline engine. W. G. Kirchaffer, Engr., Baraboo, Wis.

WATERTOWN, WIS.—The Watertown Water Co. has offered to sell its works to the city for $100,000, according to reports in local papers.

WAUKESHA, WIS.—Reports state that the property, including the Hygeia and Glen Springs, etc., of the Waukesha Water Co. will be sold by D. Lloyd Jones, referee in bankruptcy, June 26.

DES MOINES, IA.—O. P. Herrick, of this city, has been awarded the contract at about $40,000 by the War Department for constructing works, sewers, paving, etc., at the army post.

COLD SPRING, MINN.—Jacob Heisler writes us that this town is too small for works and an electric plant, and nothing further regarding the matter will be done. Pop., 300.

EDGERTON, MINN.—Bids are asked until June 16 for the purchase of $6,000 of water-works bonds, and until June 26 for furnishing the materials and for building works. C. S. Ring, Village Recorder.

EYOTA, MINN.—This place has voted to issue $8,000 in bonds for works, according to reports.

LITTLE FALLS, MINN.—Benj. H. Warren, of Pittsburg, Pa., is reported to have secured control of the Little Falls Electric & Water Co., and extensions are proposed.

IONA, MINN.—We are informed that W. D. Lovell, of Des Moines, Ia., has been awarded the contract for building works here. M. B. Haynes, Engr., Mankoto, Minn.

ST. PAUL, MINN.—The Union Stock Yards Co. has voted to make certain improvements to the water mains, sewers, etc., to cost $52,000. C. W. Benson is Chn.

GERING, NEB.—The State Line Canal Co. has been incorporated with a capital of $50,000 to build a system to irrigate 15,000 acres of land. M. H. McHenry is Secy.; Franklin Lane is Pres.

SOUTH OMAHA, NEB.—The question of the city issuing bonds for works and an electric plant is being considered. The franchise of the water company expires in about two years.

MONTROSE, S. DAK.—Bids are asked until June 20 for the purchase of $5,000 of 5% bonds for works. J. A. Cooper, Clk.

LEWISTOWN, MONT.—Bids are asked until June 21 for constructing works. E. P. Chandler, Cy. Clk.

MILES CITY, MONT.—Bids are asked by the city clerk until Aug. 1 for the purchase of $15,000 of 5% water-works extension bonds.

FORT SCOTT, KAN.—The committee has recommended that the Fort Scott Water Co. install a filter.

CLAYTON, MO.—The Missouri Water, Light & Traction Co. has been granted a franchise for works in Ferguson, Kirkwood and Webster Grove. J. B. Quigley is Gen. Mgr.

FARMINGTON, MO.—Propositions are asked until noon June 16 from engineer for making plans for works. J. W. Braham, Chn. Com.

FAYETTE, MO.—This place has voted to issue $5,000 in bonds for works.

KANSAS CITY, MO.—P. J. McDonald has been awarded the contract at $3,642 for a water main in 7th St. Plans for a new pumping engine house at Quindaro have been approved.

ST. LOUIS, MO.—Geo. E. M. Pratt has submitted a new proposition for furnishing this city with a new water supply from the Meramec River by gravity. There is little prospect of anything being done by the city.——Chief Engineer Swingley, of the Fire Dept., has recommended the construction of a pipe line with a battery of pumps for better fire protection.

CAMERON, TEX.—The Cameron Water Co. is making efforts to secure a new water supply.

COMANCHE, TEX.—Reports state that this place will issue $10,000 in bonds for works.

ROCKWALL, TEX.—D. C. Fordsen, Mayor, writes us that several engineers are figuring on plans for works. The water supply will be secured from wells. Pop., 1,800.

VICTORIA, TEX.—City Engineer Wheeler and Alderman Dunlap are on a committee to investigate the matter of securing a better water supply.

ALVA, OKLA. TER.—This place will vote June 23 on the question of issuing $24,000 in bonds for works.

GUTHRIE, OKLA. TER.—The question of building three dams along the Cottonwood River for an increased water supply is being considered.

KINGFISHER, OKLA. TER.—The council proposes to extend the water main in the 5th Ward.

LEXINGTON, OKLA. TER.—Reports state that J. M. Carter, of Dallas, Tex., has the contract for constructing works.

PAGOSA SPRINGS, COLO.—Bids are asked by the town clerk until June 23 for constructing works, as stated in our advertising columns. Gilbert Wilkes & Co., Engrs., Coronado Bldg., Denver, Colo.

CARLSBAD, N. MEX.—Reports state that the Pecos Valley Irrigation Co. has completed plans for a masonry dam on the Pecos River, to cost $40,000.

SEATTLE, WASH.—City Engineer Thomson is preparing plans for a 16-in. water main in First Ave. to cost $29,100.

WALLA WALLA, WASH.—E. S. Clark, Cy. Surv., writes us that this city on June 2 defeated the proposition to issue $100,000 in bonds for extending the water mains.

WENATCHEE, WASH.—Work is reported to have been begun by W. T. Clark, of Seattle, Wash., on the proposed irrigation canal in the Wenatchee Valley, to cost about $150,000.

LONG BEACH, CAL.—The Seaside Water Co. is reported as preparing to build an irrigation system to irrigate about 16,000 acres of land. J. G. Drake is Audr.

LOS ANGELES, CAL.—The West Side Water Co. will begin work at once on its proposed works by sinking 12 12-in. wells.

LOS ANGELES, CAL.—The La Canada Water Co. has been incorporated with a capital of $36,000 by J. L. Lanterman and Jas. B. Reed.

MONTEREY, CAL.—Reports state that work will soon be begun on the proposed irrigation canal in southern Monterey county, from Soledad to the property of the Spreckels Sugar Co.; estimated cost $500,000.

RIO VISTA, CAL.—Bids are asked until 8 p. m. June 17 for furnishing 150 tons of 4, 6 and 8-in. c.-i. water pipe, 6 tons of castings, 950 ft. of 1½, 6 and 8-in. wrought-iron pipe, 11 6-in., 15 4-in. and one 5-in. gate valves, six small valves, six 4-in. blow-off valves, 15 double nozzle fire hydrants, etc. F. J. Kalber, Town Clk.

CHARLOTTETOWN, P. E. I.—Bids are asked until noon June 16 for building a reservoir. F. C. Coffin, Engr., 53 State St., Boston, Mass.; S. W. Crabbe, Chn. Com.

MONTREAL, QUE.—Bids were received June 10 for c.-i. pipe, lead, etc., for the year. L. O. David, Cy. Clk.

CORNWALL, ONT.—This place will issue $30,000 in bonds for extending the mains. R. Lamour, Mayor.

SEWERAGE.

MELROSE, MASS.—Plans for a system of surface drainage designed by W. Dabney Hunter, Cy. Engr., the total estimated cost of which is $350,000, have been adopted. A bill is now before the state legislature for a surface drainage bond issue.

SOUTHBRIDGE, MASS.—The contract for the sewer work of this town during the year has been let to Geo. M. Bryne & Co., Boston, Mass., for about $8,000.

SOUTH HADLEY FALLS, MASS.—The selectmen have been considering the sewerage question.

WESTBORO, MASS.—Bids are asked by the trustees of the Lyman School for Boys until June 17 for constructing about 5,020 lin. ft. of 8-in. Akron pipe sewer, 2,910 lin. ft. of 6-in Akron pipe sewer, 1,300 lin. ft. of 5-in. Akron pipe sewer, 35 manholes, and removing about 300 cu. yds. of rock. J. J. Van Valkenburgh, Engr., South Framingham, Mass.; M. H. Walker, Chn.

MANCHESTER, CONN.—J. M. Williams, Secy. Sewerage Com., writes us that the recently organized Manchester Sanitary and Sewer District has been surveyed and a map and estimate of cost of sewers prepared by Geo. A. Johnson, C. E. It is proposed to lay about 2 miles, 8 to 12-in. tile sewers; average cut 8 ft.; estimated cost $20,000. The septic tank and cinder contact bed systems of sewage disposal are under consideration by special committees.

BINGHAMTON, N. Y.—Bids are asked until June 24 for constructing sewers in Tremont and Newton Aves., this city. I. C. Hull, Cy. Clk.

BRONXVILLE, N. Y.—The question of a $21,000 system of sewers for this place is reported as being considered.

BUFFALO, N. Y.—Bids are asked until June 17 for constructing a 12 ft. wide by 11 ft. high concrete and brick drain in Ohio Basin Slip. Francis G. Ward, Comr.

CASTILE, N. Y.—Surveys for the proposed sewer system for this place are reported as having been made by Wm. J. White, C. E., Buffalo, N. Y.

NORWOOD, N. Y.—R. D. Reed, Village Pres., writes us that June 3 the village voted to put in sewerage and water-works, and that maps and plans for the work are now being prepared. After the plans have been approved by the state board of health bids will be called for.

OSWEGO, N. Y.—The department of works has ordered the construction of sewers in West Fourth and West Albany Sts., at a total cost of about $6,400.

SARANAC LAKE, N. Y.—J. C. Russell, Village Pres., informs us that $40,000 of bonds for sewer improvement have been voted but have not yet been sold. W. E. Franklin is Sewer Comr.

SARANAC LAKE, N. Y.—Bids are asked until June 20 for the construction of about 45,000 ft. 6 to 24-in. pipe sewers, manholes, flush tanks, etc., as is stated fully in our advertising columns. Collins Bros., Engrs., Drexel Bldg., Philadelphia, Pa.; W. E. Trombley, Pres. Sewer Bd.

SENECA FALLS, N. Y.—A local press report states that the firm of Allen & Farrington, Syracuse, N. Y., have been making surveys for the establishing of grade for the sewers and pavements for this place.

WATERTOWN, N. Y.—The chief engineer has estimated that the proposed improvement of the Munson and Gotham St. sewers will cost $5,700, and the public works board has approved the estimate.

WHITE PLAINS, N. Y.—Bids are asked until June 23 for building a sewage pumping station, as is stated in our advertising columns. Peter Paulding, Village Clk.

NEWARK, N. J.—The bids received May 22 for constructing section 4 of the joint outlet sewer have been rejected as being too high. New bids have been called for doing this work until June 26, as is stated in our advertising columns.

ARDMORE, PA.—It is reported that plans for sewering Lower Merion township at a cost of $185,000, have been adopted. C. E. Albright, 908 Land Title Bldg., Philadelphia, who prepared the plans, has been selected as the engineer.

BRIDGEPORT, PA.—An ordinance has been before the council authorizing the borrowing of $25,000 for sewerage, paving, and curbing purposes.

CANTON, PA.—It is reported that a bond issue of $8,000 is to be made for a borough sewer system.

DUQUESNE, PA.—The people of this borough have voted to issue $70,000 of bonds, $20,000 of which is for sewers and the remainder for street improvements.

PHILADELPHIA, PA.—In the new $5,000,000 city loan bill recently passed by the select council there is an item of $1,000,000 for new sewers.

TAKOMA PARK, D. C.—This place has voted to issue $7,000 of bonds for completing the water and sewer systems.

PORTSMOUTH, VA.—Bids are asked until June 16 for furnishing about 2,400 ft. 8 to 36-in. vitrified pipe sewer, about 70 bbls. Portland cement, 350 bu. sand, besides various other articles. C. W. Walker, Chn. St. Com.

MORGANTOWN, W. VA.—An additional issue of $30,000 of bonds has been voted for the construction of sewers and pavements.

GREENSBORO, N. C.—Local reports state that City Engineer Bandy has been engaged on plans and specifications for the proposed new line of sewer.

ANDERSON, S. C.—The contract for the construction of the sewer system here has been let for a total of $34,250. Montague & Co., Chattanooga, Tenn., received the contract for the piping for $10,250, while Geo. O. Tenny, Spartanburg, S. C., received the contract for laying the pipe, etc., for $24,002.

CANTON, O.—Bids are asked until June 30 for the purchase of $85,000 of sewer bonds, $100,000 of water bonds and $75,000 of bonds for other purposes. C. C. Loyd, Cy. Clk.

COLUMBUS, O.—The council committee on sewers has approved of an ordinance for issuing $175,000 of trunk sewer bonds. The plans for the sewer provide for a stretch of about 11 miles of 10 in. to 5-ft. brick and cement sewer.

DAYTON, O.—Bids are asked until June 24 for the construction of about 6,400 ft. storm-water sewers, made up of 12 to 30-in. pipe sewer, manholes, catchbasins, etc. Robt. H. Ferguson, Cy. Comptroller.

KENTON, O.—Bids are asked until June 23 for constructing Main Sewer No. 1 extension in eastern sewer district. John P. Dugan, Cy. Clk.

TOLEDO, O.—Press reports state that City Engineer Tonson has recommended the building of septic tanks and filter beds for sewage disposal in the Walbridge Park district.

EAST CHICAGO, IND.—H. E. Jones, Cy. Clk., writes us that the following bids were received May 26 for constructing main sewer and installing pumping station, (1) being bid for main sewer, (2) for bulkhead, (3) for each manhole, (4) for each catchbasin, and (5) for complete pumping station: Nash Bros., 84 La Salle St., Chicago, (1) $64,406, (2) $150, (3) $2,830, (4) $30, (5) $16,000; total, $82,940; J. H. Roche, 210 31st St., Chicago, (1) $66,000, (2) $450, (3) $910, (4) $805; total, $68,165.

GALESBURG, ILL.—Bids are asked until June 16 for constructing about 604 ft. 24-in. vitrified pipe sewer and three manholes. A. W. Truedson, Cy. Clk.

PERU, ILL.—It is reported that this city will put in about nine blocks of 12 and 24-in. sewer. C. W. Richard is Cy. Engr.

ROCKFORD, ILL.—The committee on sewers have decided to recommend that a 36-in. sewer be laid from Rockton Ave. to Kent Creek to carry off the storm water, at an estimated cost of about $5,000.

URBANA, ILL.—Local reports state that bids are asked by the Big Slough special drainage district commissioners until June 20 for furnishing 6,665 ft. 16-in. tile and 1,700 ft. 12-in. tile. Joseph Mounts, Comr.

GREEN BAY, WIS.—An $8,000 sewer bond issue is proposed.

MILWAUKEE, WIS.—According to local press reports the county board has been calling for plans and specifications for filter beds to be connected with the septic tank at the house of correction.

DAVENPORT, IA.—Bids are asked until June 17 for the construction of 1,350 ft. 10 and 12-in. sewers. Thos. Murray, Cy. Engr.

BARNESVILLE, MINN.—Bids are asked until June 21 for constructing about 1,900 ft. vitrified tile drain. H. H. Snell, Cy. Clk.

ST. PAUL, MINN.—Bids are asked until June 16 for the construction of a sewer in Lee Ave. R. L. Gorman, Clk. Bd. Pub. Wks.

ATCHISON, KAN.—Fred Giddings, Cy. Engr., informs us that the following bids were received June 2 for building about 27,000 ft. 8 to 24-in. pipe sewer, 2,900 ft. brick sewer, etc., as was advertised in Engineering News: W. W. Cook & Son, Junction City, Kan., $42,160; Chapin & Greever, Leavenworth, Kan., $42,874; Thos. Beattie, Atchison, Kan., $46,124; Ruckleffe & Gibson, St. Joseph, Mo., $39,478; Hanley, McGuire & Wise, Topeka, Kan., $41,540. All the bids were rejected and the work is to be readvertised shortly.

GROTON, S. DAK.—Mayor R. A. Mather writes that the contract for sewerage has not yet been let but that bids will be opened about July 1.

GRAFTON, N. DAK.—An election is to be held June 30 to vote on the issuance of $15,000 of sewer bonds.

KANSAS CITY, MO.—Contracts for district sewers have been let to W. C. Mullins for $7,867 and to Michael Walsh for $5,325.

CHICO, CAL.—C. D. Vincent has been awarded the contract for completing the Chico sewer system, consisting of the construction of pumping plant building, tank, well, laying water pipe.

EUREKA, CAL.—F. E. Herrick, Cy. Engr., writes that contracts will be let June 23 for about 56,000 ft. of 6 to 24-in. pipe sewers, average cut 6 ft.; estimated cost $70,000. System to be composed mostly of large iron pipe sewers, and 5,000 ft. large-size wooden sewers.

ARNPRIOR, ONT.—The contract for the construction of a main sewer in Daniel St., this city, has been let to Thos. Moran for $3,220.

OTTAWA, ONT.—Bids are asked until June 16 for 2,171 ft. brick and concrete 2 ft. by 3 ft. sewer, with manholes, inlets, etc., together with 200 ft. 36-in. steel pipe outlet into River Du Lievre. R. W. Farley, C. E., Hull, Que.; F. M. Gorman, Secy., Buckingham, Que.

OTTAWA, ONT.—The contract for sewers on Marguerite and Chapel Sts. has been let to Patrick Burns at $24,512.

GARBAGE DISPOSAL—STREET CLEANING

BROOKLYN, N. Y.—The N. Y. Sanitary Utilization Co. has finally been awarded the contract, at $47,500, for removing and disposing of the garbage of this borough.

KINGSTON, N. Y.—We are informed that John J. O'Reilly has been awarded the contract, at $5,020, for caring for the garbage for one year.

DAYTON, O.—The council has passed an ordinance authorizing the issuance of $75,000 of bonds for a crematory. J. A. Hahne, Cy. Clk.

ST. JOSEPH, MO.—The question of disposing of the garbage, etc., and building a crematory is being considered. C. L. Davis is Sanitary Inspector.

LOS ANGELES, CAL.—The Detroit Sanitary Reduction Co., of Detroit, Mich., has offered to install a crematory and to take a contract to remove and dispose of the garbage for five years.

STREETS AND ROADS.

BURLINGTON, VT.—Reports state that South Union St., from Maple to Spruce St., is to be paved with tar macadam.

METHUEN, MASS.—The state has allowed Methuen $4,600 for the continuation of the state road on Merrimac St.

BRIDGEPORT, CONN.—The council committee on streets has decided to recommend that a vitrified brick pavement be laid on Stratford Ave. Action on the report will be taken June 16.

BRIDGEPORT, CONN.—Bids are asked until June 23 for furnishing and laying about 8,500 sq. yds. brick pavement, as is stated in our advertising pages. E. T. Buckingham, Cy. Clk.

NORTH HAVEN, CONN.—Press reports state that bids are asked until June 16 for constructing 5,372 lin. ft. of finished macadam road on Wallingford turnpike. A. W. Sperry, Engr., 82 Church St., New Haven; D. Walter Patten, Selectman.

ALBANY, N. Y.—Bids are asked until June 28 for the improvement of about 23½ miles state highway, as is stated in our advertising columns. Edward A. Bond, State Engr.

BROOKLYN, N. Y.—Bids are asked by the Brooklyn borough president until June 18 for regulating and repaving about 45,000 sq. yds. with granite pavement; also for curbing, guttering, etc. J. Edward Swanstrom, Pres.

BROOKLYN, N. Y.—The contract for laying 114,000 sq. yds. of asphalt pavement has been let to the Interstate Paving Co., Utica, N. Y., for $292,588.

BUFFALO, N. Y.—Bids are asked until June 19 for opening Amherst St., repairing pavement, laying sidewalks, etc. Francis G. Ward, Comr. Pub. Wks.

BUFFALO, N. Y.—A local press report states that plans are being prepared by City Engineer Morse for an overhead highway on the Hamburg turnpike, similar to the Washington, D. C., boulevard.

JAMESTOWN, N. Y.—Bids are asked until June 20 for constructing about 10,666 sq. yds. brick paving and 6,020 ft. curbing, as is stated in our advertising columns. E. B. Crissey, Mem. Bd. Pub. Wks.

NEW YORK, N. Y.—Bids are asked until June 25 by the Richmond Borough President, First National Bank Bldg., St. George, New Brighton, for about 22,000 sq. yds. macadamizing, 18,500 cu. yds. excavating, draining, guttering, etc. Geo. Cromwell, Pres.

OGDENSBURG, N. Y.—The board of works has been considering the paving of various streets, and wishes a total appropriation of $21,000 for this work.

ONEIDA, N. Y.—An election is to be held June 20 to authorize a $25,000 bond issue for the city's share of the proposed public improvements.

ROCHESTER, N. Y.—A public hearing was held June 10 regarding the improvements of certain streets by grading and sidewalks, at a cost of $6,500, and the improvement of certain other streets by paving, etc., at a cost of about $46,000.

UTICA, N. Y.—The contract for the construction of the Utica-Paris state highway has been let to the Oneida county board of supervisors at about $42,000. The work will be done by the county prisoners.

ASBURY PARK, N. J.—J. A. Bradley writes us that the improvement of South Main St. is nearly completed.

BRIDGETON, N. J.—Mayor George Hampton writes us that there is no paving contemplated at present, and the proposition for street improvement mentioned some time ago has been defeated.

HADDONFIELD, N. J.—Bids are asked until June 28 for furnishing material and paving sidewalks, setting curbs, gutters and laying crosswalks. C. D. Stackhouse, Boro. Clk.

CHELTENHAM, PA.—The following contracts for macadamizing have been let: Schlimme & Sons for Central Ave., $3,437; city line, from Washington lane to Limekiln pike, $4,606; Morris W. Wolfe, for Glenside Ave., $2,252.

HARRISBURG, PA.—The council committee on streets has recommended paving Third St. with vitrified brick, and the paving of Market St. with asphalt.

NORRISTOWN, PA.—S. C. Corson, Boro. Engr., writes us that an injunction restraining the borough from using its recent $150,000 loan for the Warner bituminous water proof pavement, has been refused, and consequently the borough will be able to proceed within the month on the proposed improvement. Ordinances have been passed granting the Norristown Electric St. Ry. Co. the right to lay tracks on DeKalb St., providing they pave a certain portion with vitrified brick.

PHILADELPHIA, PA.—Among the items in the recently passed city loan bill are appropriations of $300,000 for grading streets, $200,000 for paving, and $300,000 for macadamizing county roads.

PITTSBURG, PA.—The county commissioners have awarded contracts for the improvement of five county roads as follows: Library Road, six miles, Foley Bros., $103,076; Bellevue Road, 1⅞ miles, Booth & Flinn, Ltd., $33,178; Thompson Run Road, 3 1-5 miles, Booth & Flinn, Ltd., $51,337; Baldwin Road, ¾ mile, $11,123; Little Pine Creek Road, 3 1-5 miles, Keeling & Ridge, $55,217.

WILKESBARRE, PA.—Local press reports state that bids are called for until June 18 for paving, repairing and maintaining with sheet asphalt various streets. D. W. Jones, Chn. St. Com.

CUMBERLAND, MD.—A report states that the paving of streets in this place with firebrick is to become general. The improvement will probably cost $50,000.

CHARLESTOWN, W. VA.—Pfaff, Ringolds & Smith, Chillicothe, O., have been awarded the contract for repaving Kanawha and Capitol Sts., and for the paving of several other streets.

MORGANTOWN, W. VA.—This town has voted in favor of a $30,000 bond issue for additional paving and sewering.

WILSON, N. C.—Jno. R. Moore, Cy. Clk., writes us that $25,000 worth of macadamizing is now being laid in that city.

BESSEMER, ALA.—Wm. J. Parkes, Cy. Engr., writes that bids will be opened July 15 for curbing and building gravel sidewalks on certain streets and avenues, aggregating about 13,230 lin. ft. of 5-in. granite curb, 2,150 cu. yds. chert, and 3,400 cu. yds. earth work; estimated cost, $6,750.

JACKSON, MISS.—A contract for paving with vitrified brick has been awarded to the Southern Paving & Construction Co., Chattanooga, for about $105,000.

CINCINNATI, O.—The board of legislation has passed a $200,000 bond issue for the repaving of streets; part of the issue will be used for the resurfacing of Race St.

CINCINNATI, O.—Reports state that the Hamilton county commissioners are calling for bids until June 28 for improving the Nordyke road, Anderson township. Eugene L. Lewis, Co. Audr.

COSHOCTON, O.—According to reports bids are called for until June 16 for grading, curbing and paving Cherry St. with brick. E. M. Wimmer, Cy. Clk.

ELMWOOD PLACE, O.—Mayor Jno. H. Bart, writes us that the proposed bond issue for street improvements has been defeated.

GLENVILLE, O.—Bids are asked until June 17 for grading, draining and improving Primrose Ave. and Eddy Road. B. J. Davies, Jr., Village Clk., 732 Society for Savings, Cleveland, O.

GRAND RAPIDS, O.—Plans and specifications for the paving of the business streets of this city are being prepared by Riggs & Sherman, Consult. Engrs., Toledo, O.

GREENVILLE, O.—Bids are asked until June 21 for building pike road in Mississinawa township. E. Culbertson, Co. Audr.

KENTON, O.—It is reported that bids are asked until June 24 for about 6,000 yds. of paving, grading, curbing, etc., on Detroit St. O. P. Wilson, Cy. Engr.

MEDINA, O.—Bids, according to reports, are called for until June 14 for improving North Court St.; bond, $10,000. O. O. Van Dusen, Village Clk.

NAPOLEON, O.—Reports state that Napoleon intends to do some street paving in the near future.

OBERLIN, O.—W. B. Gerrish, Cy. Engr., informs us that Oberlin is to let 14,000 sq. yds. of brick paving on Professor St. July 1.

TOLEDO, O.—Bids are asked until June 30 for the paving of Booth and Victoria Sts. Chas. H. Nauts, Cy. Clk.

WELLSTON, O.—Thos. P. Wangler, Cy. Clk., writes us that four squares are to be paved during July.

ASHLAND, IND.—A press report states that the taxpayers have voted to build about 11 miles of gravel road in Ashland township.

FLINT, MICH.—The contract for paving, including combination walk and curb, gutters, etc., of South Saginaw St., has been let to Lynch & Lynch for $33,314. A local

press report states that competing contractors have asked for an injunction to prevent the city entering into the contract.

GRAND RAPIDS, MICH.—L. W. Anderson, Cy. Engr., writes us that considerable street work was ordered by the old council, but the new council has as yet only asked for estimates; nothing definite can be stated at this time.

MIDLAND, MICH.—Contracts for the paving of the principal business streets of this city after plans prepared by Riggs & Sherman, Toledo, O., who have also been appointed engineers to superintend the construction, have been let to Bay City, Mich., contractors.

CHAMPAIGN, ILL.—Bids are asked until June 16 for about 2,350 sq. yds. brick paving, 1,000 cu. yds. excavation, and 1,810 lin. ft. of concrete curb and gutter. C. J. Mullikin, Bd. Local Improvements.

MONMOUTH, ILL.—According to reports this town is to build 2,500 ft. of brick road. The roadway is to be 9 ft. wide, of brick, laid in crushed stone, with 2½ ft. of crushed stone approaches on each side of the brick.

SUPERIOR, WIS.—Bids are asked until June 18 for paving of Tower Ave. Ernest Schuster, Bd. Pub. Wks.

BURLINGTON, IA.—Reports state that bids are called for until June 16 for paving High St., also for paving Valley St. Emmet Steece, Cy. Engr.

DES MOINES, IA.—The city council has ordered the following public improvements: Brick paving—East 12th, from Washington to Fillmore; Franklin, 7th to 9th; East Maple St., 5th to 6th; East 5th St., Maple to Grand; Cement Curbing—5th St., School to Ascension; Charles St., 9th to 10th; Grove St., 9th to 10th; Chestnut St., 7th to 8th; East Walker, 6th to Pennsylvania Ave.; 39th St., Grand to Ingersoll Aves.; Atkins St., 24th to 25th.

FAIRFIELD, IA.—This city, according to reports, has just let a contract for 23½ blocks of brick paving at a cost of about $75,000.

BRAINERD, MINN.—Bids are asked, according to reports, until June 16 for putting in a macadam pavement and curbstone on Laurel St. R. K. Whiteley, Cy. Engr.

WALKER, MINN.—Cass county has voted to issue $30,000 of bonds for road improvements and $30,000 for a new court house.

KANSAS CITY, MO.—The following streets have been ordered paved: 31st St., 11 blocks; Campbell, 2 blocks; West Prospect Place; Highland, 2 blocks; Baltimore, 2 blocks; Harrison, 2 blocks; Campbell, 3 blocks; 15th St., one-half block; 30th St., 2 blocks; Cherry, 1 block.

SEDALIA, MO.—A Pettis-county mass meeting has adopted measures to authorize the township commissioner to get the matter of voting bonds for road construction purposes before the people at the next election. Efforts will be made to have the bond issue be for $200,000.

MANUFACTURING PLANTS.

GREENFIELD, MASS.—Local papers state that the Mittineague Paper Co., of Springfield, is investigating the advisability of locating a branch plant at Millers Falls, to employ about 300 men.

LYNN, MASS.—The Lockwood Cutlery Co. has purchased a lot on Liberty St. and will remove its plant from Chelsea to this place. Two buildings will be erected at once.

TAUNTON, MASS.—The Huber Press Co. has decided to build a shop of its own at an early date. The main shop will be one story, 600 × 75 ft.

BRIDGEPORT, CONN.—The American Tube & Stamping Co. has purchased the Henry B. Drew property on Seaview Ave., in this city, covering 21 acres of ground. A large billet mill and an open-hearth steel plant will be put up immediately, employing about 2,000 operatives. The plant will be equipped with several electric cranes, and an elevated railway will run around the yard.

BUFFALO, N. Y.—It is stated that the Markham Novelty Works will establish a plant at Kenmore to employ about 200 hands.

MILLVILLE, N. J.—Plans have been completed and bids will soon be asked for a 3-story brick and iron factory building, to be owned by a company with Henry Menke, Pres. It will contain three kilns. Chinaware will be manufactured. The cost of the plant will be $50,000.

PHILADELPHIA, PA.—Plans have been prepared by Albert Ellis Yarnall, Arch., 14 South Broad st., for a 5-story factory for George W. Lord on Ninth St., to be 27 × 127 ft., with a rear wing 44 × 53 ft.——Fayette R. Plumb will remodel a two and three-story building, to be used as an axe, sledge and edge-tool factory. J. J. Kennedy, 52 Broadway, New York, is engineer.——A company headed by Albert Carter, of Holmesburg, will establish a saw and knife factory in this city, at a cost of $50,000.——A contract will soon be awarded by Wm. H. Doyle, 1610 Spruce St., for a 2-story, 70 × 40-ft. building, at 12th St. and Washington Ave., to be used as a brass foundry.——Smith, Drum & Co. will build a 4-story addition to their factory on Coral St., above Cumberland St., to be 50 × 125 ft.——Plans are being prepared by Lockwood, Green & Co., Archs., 93 Federal St., Boston, Mass., for a plant for the Hale & Kilburn Mfg. Co., 48 North Sixth St., at 18th St. and Glenwood Ave., to comprise five buildings, with power plant, costing about $250,000.——The Crane Ice Cream Co., 18th and Filbert Sts., is looking for a site for an ice manufacturing plant of 100 tons capacity. The building is to be three stories. Hales & Ballinger, Archs., 1200 Chestnut St., will prepare the plans.

SHARON, PA.—The Budke Iron & Steel Co. is forming with $850,000 capital stock, and will build a plant at Shannopin, covering about 25 acres of land. The plant will consist of a puddling and knobbling mill and a sheet mill.——Plans are being prepared for doubling the capacity of the Wilkes sheet mill.

WILMINGTON, DEL.—The Delaware Hard Fiber Co. will erect an addition to its plant costing about $150,000.——J. E. Rhoads & Son will erect a plant costing about $100,000.——The Vassar Leather Co. has purchased a site for a $100,000 plant on the lot opposite the works of the Ford Morocco Co.

RICHMOND, VA.—The Continental Tobacco Co. has secured a site here and will soon erect a factory costing about $200,000. Between 1,500 and 2,000 hands will be employed.——It is stated that Butler & Bosher will shortly begin the erection of a tobacco factory, to be six stories high, 300 × 150 ft.

ASHEVILLE, N. C.—It is stated that a $750,000 bleaching establishment will be built on the W. T. Weaver Power Co.'s land by John J. Hare, N. L. Bishop and Dwight Seabury, of Providence, R. I. The plans for the proposed plant have been made, and it is expected that work will be started at an early date.

MEMPHIS, TENN.—The American Cotton Co. has purchased 20 acres of land upon which it will erect a cotton mill costing in the neighborhood of $250,000.

YOUNGSTOWN, O.—The National Steel Co. has decided to build another furnace at Youngstown, and will soon break ground. The new building will be 110 ft. high.

CLEVELAND, O.—Hales & Ballinger, Archs., 1200 Chestnut St., Philadelphia, Pa., have completed plans and will take bids on a 4-story brick and iron bakery addition, 50 × 150 ft., for the Cleveland Baking Co.

CLEVELAND, O.—The Cleveland Paint & Varnish Co. has recently purchased land at Hamilton and Marquette Sts. for the purpose of erecting another building. It will be of brick and three stories high.

INDIANAPOLIS, IND.—The Midland Portland Cement Co., Law Bldg., has completed arrangements for building its new plant at Bedford. A plant of eight or 10 rotaries will be constructed. The Osborn Engineering Co., Cleveland, O., have been retained as engineers for preparation of plans and specifications and the superintendence of construction. Contracts will be let at an early date and the work pushed to completion as speedily as possible. Orlando M. Packhard is Pres.

MILWAUKEE, WIS.—H. C. Koch & Son have prepared plans for a $25,000 factory for Mehuauns Bros. It will be four stories high, 140 × 50 ft., of mill construction.

ST. PAUL, MINN.—Improvements on the milling property of the Sleepy Eye Milling Co., costing in the neighborhood of $350,000, will be made this summer. F. H. Dyckmann is interested.

TEXARKANA, TEX.—The National Lumber Co., of Ft. Worth has purchased a site of 15 acres of land on the Texas & Pacific R. R. here and will erect a large creosoting plant, employing about 200 men.

TACOMA, WASH.—The Western Veneer & Box Mfg. Co. has been incorporated by Wm. W. Wood, M. J. Payne, C. M. Easterday and others, with a capital stock of $500,000, to erect a mill for the manufacture of a veneer cutting machine.

GRANT'S PASS, ORE.—The directors of the Sugar Pine Door & Lumber Co. have decided to rebuild their $75,000 factory, which was destroyed by fire on May 26. The new factory will be larger than the old one.

MISCELLANEOUS CONTRACTS.

DITCH.—Big Timber, Mont.—Reports state that J. T. Parker has been awarded a contract for digging a 12-mile ditch on the Nevins estate.

SUBWAYS.—Baltimore, Md.—An ordinance has been introduced before the council providing for a loan of $1,000,000 for subway extensions.

RIVER IMPROVEMENT.—Sioux City, Ia.—According to reports City Engineer Lewis has been preparing plans for a dam for the Floyd River improvement.

STREET SIGNS.—Winona, Minn.—G. P. Coleman, Cy. Engr., informs us that the city council will open bids June 23 for furnishing 2,000 enameled street signs.

HARBOR IMPROVEMENTS.—Manitowoc, Wis.—This place, according to reports, is to issue $50,000 worth of bonds for the improvement of the city and harbor.

PIERS.—Ocean City, Md.—It is reported that the company which secured a franchise from the legislature last winter, proposes to erect a $40,000 steel pier at this place.

DRAIN.—Lawrence, Mass.—An ordinance creating a loan of $25,000, to drain the Bloody Brook section has been passed through its preliminary stages by the council.

REBUILDING COAL WHARF.—Fort Slocum, N. Y.—Bids are asked until June 23 for rebuilding coal wharf and trestle at Fort Slocum. Lieut. Edw. T. Donnelly.

CHIMNEY.—Cleveland, O.—Bids are asked until July 2 for building brick chimney at Kirtland St. pumping station, as is stated in our advertising columns. Chas. P. Salen, Dir. Pub. Wks.

PORTLAND CEMENT.—Winnipeg, Man.—Bids are asked until June 25 for delivery of 25,000 to 35,000 bbls. Portland cement, as is stated in our advertising columns. Kelly Bros. & Co., Winnipeg, Man.

STEAMER REPAIRS, ETC.—New York, N. Y.—Bids are asked until June 18 for repairing, including dry docking, coppering, etc., of the steamer "Thomas S. Brennan." Homer Folks, Comr. Pub. Charities.

TOOLS, PAINT, LUMBER, ETC.—New York, N. Y.—Bids are asked by the commissioners of parks until June 19 for furnishing park implements and tools, road machinery, carts, paints, oils and lumber.

LUMBER, CEMENT, BRICK, ETC.—Ashland, Wis.—Bids are asked until June 17 for furnishing a quantity of lumber, lime, cement, brick, etc., for the La Pointe Indian Agency. U. S. Indian Agent, Ashland.

TELEPHONE GRANT.—Chicago, Ill.—Local press reports state that the United Telegraph, Telephone & Electric Co. is to apply for a franchise to lay and maintain telephone wires in every section of the city.

LIGHT-HOUSE.—Tompkinsville, N. Y.—Bids are asked until June 27 for the metal work and erection of Fort Wadsworth light-house, as stated in our advertising columns. Maj Wm. T. Rossell, U. S. Engrs.

LIGHT-HOUSE METAL WORK.—Baltimore, Md.—Bids are asked until July 7 for constructing metal work for the Bluff Shoal Light-House, N. C., as is stated in our advertising columns. Lt. Col. W. A. Jones, U. S. Engrs.

PIER WORK.—West Superior, Wis.—Local press reports state that the government will shortly begin work on the piers at the natural entry, which will be of concrete. The entry will also be widened. The cost will aggregate $1,000,000.

FIRE ENGINES, ETC.—Pasadena, Cal.—A press report states that the city has $20,000 in hand for the extension and improvement of the fire department, including the construction and equipment of a fire house, purchase of new engines, etc.

DREDGING.—Philadelphia, Pa.—Local press reports quote Capt. Spencer Crosby, U. S. Engr., as saying that bids are to be called for dredging the Delaware River channel as soon as the $3,000,000 appropriation for that purpose is passed by Congress.

DAM.—Cincinnati, O.—The local press reports that Major Bixby, U. S. Engrs., has recommended that the next dam built on the Ohio River be located at Cullom's Ripple. It is said that a survey has already been ordered. The cost of the work is estimated at $1,050,000.

SHIPBUILDING PLANT.—Seattle, Wash.—A local report states that improvements costing several hundred thousand dollars will be made by Hall Bros., at their shipbuilding plant at Port Blakely. One of the additions will be an elaborate marine railway to cost $200,000.

DRY-DOCK.—Brooklyn, N. Y.—Press reports state that Rear-Admiral Asserson, of the Brooklyn Navy Yard, has recommended that dry-dock No. 4 be built by government labor. The contract for this dock, which is to cost about $1,000,000, will, it is expected, be awarded during July.

LEVEE.—Indianapolis, Ind.—Articles of incorporation of the Sugar Creek Levee Association have been filed by citizens of Vigo county. The association proposes to erect and maintain a levee for protection of land from the annual overflow of the Wabash River and Sugar Creek.

LIGHT-HOUSE WORK.—Baltimore, Md.—Bids are asked until July 7 for furnishing materials (except metal work) and labor for the construction, erection and delivery of Bluff Shoal Light-House, N. C., all of which is stated in our advertising columns. Lt. Col. W. A. Jones, U. S. Engrs.

PIER EXTENSION.—New Jersey.—John C. Payne, Secy. New Jersey Riparian Comn., has submitted to the war department for its approval data in favor of the extension of the pier head lines on the Kill von Kull. It is proposed to extend the piers an additional 100 ft., making a total length of 400 ft.

DAMS.—Forestport, N. Y.—The contract for the constructing of a dam at this place has been let to the Walter Bradley Contracting Co., Fulton, N. Y., for about $45,000. The contract for raising both the Minetto and High dams in the Oswego River, has been let to the same company for $20,000.

CANAL LOCKS, ETC.—Chicago, Ill.—Local reports state that Capt. L. L. Wheeler, Dixon, Ill., is making plans and specifications for the construction of a large number of locks, etc., for the Hennepin Canal. The report states that the work will cost about $500,000, and will be let in one contract.

DRAINAGE CANAL.—Wichita, Kan.—A petition has been presented to the council asking for the appointment of a committee to make estimates of cost of a drainage canal between the Little and Big Arkansas rivers. The canal proposed would be nearly a mile in length, about 50 ft. wide and from 6 to 8 ft. deep.

GRANITE STONES, RIPRAP STONES, DREDGING, ETC.—New York, N. Y.—Bids are asked until June 16 by the dock commissioner, Pier A, Battery Place, for furnishing about 21,750 cu. ft. granite stones, small cobble and riprap stones, also for dredging in the East and Harlem rivers, and for furnishing about 2,000 tons of anthracite coal. McDougall Hawkes, Comr.

DITCHES.—St. Paul, Minn.—Bids will be received until June 21 for constructing the following state ditches: Yeager Lake, Wadena county, 5 miles; Goodhope Ditch, Norman county, 4 miles; New Solum Ditch, Marshall county, 3 miles; Emardville Ditch, Red Lake county, 4 miles; Becker County Ditch, 2 miles. Geo. A. Ralph, State Drainage Comn. Engr., Crookston, Minn.; P. E. Hanson, Secy. State Drainage Comn., St. Paul, Minn.

SHEET PILE BULKHEAD, ETC.—New York, N. Y.—D. W. Hemming informs us that the following bids were received June 9 for erecting sheet pile bulkhead, platform, excavating and filling on the upper bay between 51st St. and 52d St., all the bidders are from New York: Chas. Hart, 4th Ave. and Degraw St., $15,975; Cappiello & Hazell, 11 Broadway, $15,900; Geo. Humphry, 575 Clinton St., $18,550; Cunningham & Kearns, 305 E. 86th St., $17,700; H. L. Spearin, 11 Broadway, $16,922.

GOLD MINE, ETC.—Birmingham, Ala.—It is reported that the Garnet Smelting & Development Co., recently organized with a capital of $500,000, has bought about 700 acres of land which it is to develop for pyrites, gold and mica. According to the report the company is to install a water-power plant of 500 HP. and will generate electricity for hydraulic mining. A large smelter will also be erected and the latest improved machinery for reduction of gold introduced. Robt. R. Zell is said to be interested.

RIVER IMPROVEMENT.—Washington, D. C.—An appropriation of $150,000 has been made for beginning the improvement of the Anacostia River. The project, the total cost of which is estimated at about $2,000,000, contemplates the construction of masonry bulkhead walls, 1,200 ft. apart (800 ft. between pier lines), dredging to a central depth of 24 ft. at low tide, 20 ft. at the pier heads and 16 ft. at the bulkheads and depositing the dredged material behind the bulkhead walls on both sides, thus filling up the flats.

STEAM-HEATING SYSTEM.—League Island, Pa.—The following bids were received June 7 for a steam-heating system in the electrical workshop and storehouse at the navy yard: Harris & Algor, Camden, N. J., $5,119; S. Faith & Co., Philadelphia, Pa., $5,670; E. Rutzler, New York, N. Y., $5,541; Edward Joy, Syracuse, N. Y., $5,685; Harry A. Miller, Wilmington, Del., $4,745; Frank Dobson, New York, N. Y., $5,965; Patrick Gormley, Philadelphia, Pa., $5,897; J. W. Cuff & Co., Philadelphia, Pa., $4,840; David R. Burns, Philadelphia, Pa., $5,680. The bid of H. A. Miller was accepted.

U. S. POSSESSIONS AND CUBA.

HOTEL BUILDING.—Honolulu, H. I.—The Haleiwa Hotel Co. has been incorporated, with a capital of $100,000, by B. F. Dillingham and E. E. Paxton, to build a hotel.

LAND DEVELOPMENT. — Philippine Islands. — The Philippine-Oriental Trading & Development Co. has been incorporated, with a capital of $1,000,000, by John Partridge, A. B. Hunt and Robt. B. Todd, of Camden, N. J.

PUBLIC IMPROVEMENTS.—Yauco, P. R.—Bids are asked until June 21 for the purchase of $100,000 of 6% bonds, the proceeds to be used for an electric plant, an aqueduct, filter and an iron market house. Antonio Mariani, Mayor.

RAILWAYS.—Cuba.—The Insular Ry. Co. has been incorporated, with a capital of $2,500,000, by Wendall J. Wright, of Demarest, N. J.; Harry P. Ward, of Closter, N. J.; Isaac Gans, 101 East 123d St., New York, and Jos. H. Griffith, of Lynbrook, N. Y., to build several short railway lines, one to be 55 kilometers long, and will run from Havana to Mariel. The other five lines will aggregate about 120 kilometers. Head office, 34 Empedrado St., Havana, Cuba. It is probable that work will be begun at once.

FOREIGN CONTRACTS—EXPORT NEWS.

ELECTRIC RAILWAY.—Lowestoft, Eng.—This city, it is stated, proposes to build an electric road to cost about $1,250,000. G. H. Hamly is the City Surv.

DOCK WORK.—Bremen, Germany.—The council of Bremen is considering the question of extending the city docks along the River Weser, to cover about 1,000 acres.

ELECTRIC RAILWAY.—Burma, India.—The Burma Electric Works Syndicate, Ltd., of London, Eng., is reported to have been granted a concession for an electric road in Mandalay, Burma, work to begin by Dec. 6 and to be completed in three years.

SEWERS.—Merida, Y., Mex.—Reports state that Wm. V. Backus has secured the contract for the proposed sewers for this place and that he will sublet the work; estimated cost $4,000,000. Mr. Backus is understood to have enlisted Cleveland, O., capital in the project.

SCHOOL BUILDINGS.—Mexico City, Mex.—Reports state that the Department of Education of Mexico will soon let contracts for erecting about 100 new school houses to cost about $1,000,000. The King Bridge Co., of Cleveland, O., is said to have submitted plans.

POWER PLANT.—Mexico.—Reports state that work on the proposed power plant in Michoacan, of the Guanajuato Power & Electric Co. will begin about July 1. The

plant will generate 7,000 HP. and transmit it a distance of 110 miles to the mines in the Guanajuato district, and will cost about $1,000,000. The company was recently incorporated with a capital of $3,000,000. Henry Hine is Pres. and Gen. Mgr.; H. H. Filley is Ch. Engr., both of Mexico City.

BUILDINGS, ETC.—Guatemala, C. Am.—It is stated that the Guatemalan government has decided to build a new town ten miles from the site of Quezaltenango, recently destroyed by earthquakes, and five miles from San Marcos, pop., 20,000, and abandon the present places.

BLAST FURNACES.—England.—Frank C. Roberts & Co., Engrs., Real Estate Trust Bldg., Philadelphia, Pa., are working on plans for remodeling four large blast furnaces at Cardiff, Wales, two at Black Hills, and four at Middlesboro, Eng. The materials will be secured from the U. S.

ROLLING STOCK.—Belgium.—Bids are reported as wanted by the Belgian Ry. Dept., Brussels, for furnishing locomotives, rolling stock, etc.——Bids are asked by the Norwegian State Rys., Christiania, Norway, until June 17 for furnishing 242 axles with wheels, 52 wheel centers and 270 wheel bandages for the state railways.

PUBLIC WORKS, ETC.—Spain.—Tenders are wanted by the Department of Public Works, Madrid, for the purchase of concessions for developing two groups of mines in the Vivero district the El Sacio consisting of 6,385 sq. meters, and the El Vivero covering 2,832 sq. meters. The department has authority to grant franchises for two narrow-gage railways and an electric road.——Bids are asked by the Diputacion Provincial de Gerona until June 27 for repairing an iron bridge to cost $12,000.——A franchise has been asked of the Public Works Department for building an electric road known as the Mediodia of Madrid.

HARBOR WORK.—Genoa, Italy.—U. S. Consul Richmond Pearson, of Genoa, reports that Signor Inglese, Ch. Engr. to Ministry of Public Works, Rome, has completed plans for harbor improvements here and bids for the work will soon be wanted. An American contractor is now on the ground considering the matter of submitting a bid. The principal works proposed are: A new anchorage basin of 39 hectares (about 80 acres), which will nearly double the present available water surface, and is designed especially for the discharging of coal; the construction of a sea wall; increased trackage along wharfs for railway traffic.

MUNICIPAL BUILDINGS.—Nice, France.—U. S. Vice-Consul A. Piatti, of Nice, reports that the municipality has offered prizes for the construction of buildings in this city, public and private. Their fronts, interior plans, construction and the excellence of the materials, the sanitary systems, and the gardens facing public streets are all to be considered in awarding the prizes. The building industry of Nice is in its infancy, as to heating, ventilation and sanitation. In some of the newest buildings, the arrangements are still of the most rudimentary kind. In one kitchen, the work is all of cement. The consulate will receive catalogues, etc., and distribute them where a probability of business exists.

CONTRACT PRICES.

ASPHALT PAVING.—Brooklyn, N. Y.—The following bids were received by J. E. Swanstrom, Pres. Borough of Brooklyn, 15 Municipal Department Building, May 28 for asphalt paving, on concrete foundation, in several streets:

Bids Received at Brooklyn, N. Y., May 28, 1902, for Asphalt Paving in Several Streets.

Bidder.	Pavement: Asphalt, 9,350 sq. yds.	Pavement: Adjacent 30 sq. yds.	Pavement: Concrete, 1,570 cu. yds.	Curb: For new, 4,540 lin. ft.	Curb: For old, 320 lin. ft.	Noiseless manhole covers, 22 each.	Total.
M. T. Meagher	$1.97	$0.30	$5.75	$0.82	.....	$15.00	Informal.
Century Construction Co.	2.30	.30	6.25	1.05	$0.40	21.00	$36,683.50
Eastern Bermudez Asphalt Paving Co.	1.43	.30	6.00	.90	.40	5.00	27,123.50
Continental Asphalt Paving Co.	1.50	.40	5.50	.75	.35	22.00	26,673.00
Brooklyn Alcatraz Asphalt Co.	1.50	.35	5.50	.80	.35	5.00	26,524.50
Uvalde Asphalt Co.	1.33	.15	5.15	65	.12	3.00	23,580.90
Cranford Co.	1.30	.35	4.75	.75	.35	5.00	23,250.00
Interstate Paving Co.	1.32	.25	4.40	.65	.40	24.00	22,864.50

The following are the bids on the other streets where they differ from the above, (1) being for work in DeKalb Ave., (3) for Java St., (4) Maujer St., (6) Decatur St., (11) Pacific St., (14) Osborne St., (15) Kosciusko St., (17) Hopkins St., (19) Lorimer St., etc.: Century Co., (1) Paving, 8,800 yds., $2.50; concrete, 1,650 yds., $6.50; (3) paving, 5,280 yds., $2.35; adjacent pavement, 40 yds., 40 cts.; (6) paving, 10,500 yds., $2.05; Cranford Co., (1) paving, $1.40; concrete, $5.75; (3) concrete, $4.50 (lowest), total, $13,364; (4) concrete, 1,020 yds., $4.85; (6) paving, 10,500 yds., $1.35; concrete, 1,770 yds., $5; (11) paving, 5,210 yds., $1.40; concrete, 940 yds., $5; (14) paving, 6,070 yds., $1.40; concrete, 1,040 yds., $5.25; (17 and 19) concrete, 1,580 yds., $4.85; Uvalde Co., (1) paving, $1.55; concrete, $5; new curb, 7,400 yds., 65.5 cts. (3 and 4) paving, $1.40; concrete, $5.10; new curb, 4,200 ft., 68 cts.; (11) paving, $1.35; concrete, $4.95; lowest, total, $14,117; (14) paving, $1.38; concrete, $4.65; new curb, 1,430 ft., 69 cts.; (15) paving, 5,900 yds. $1.36; concrete, 990 yds., $4.82; (17) paving, 9,430 yds. $1.35; (19) concrete, 540 yds., $4.82; new curb, 4,000 ft., 67 cts.; Brooklyn Co. (1) paving, $1.33; concrete, $5.25; lowest, total, $26,395; (3 and 4) paving, $1.60; concrete, $6; (6) paving, $1.43; adjacent pavement, 95 yds., 30 cts.; (11) $1.33; (15) paving, $1.45; (19) paving, 7,670 yds., $1.60; Eastern Bermudez Co., (19) paving, $1.55; Interstate Co., (4) lowest bid, total $14,924; (6) lowest, total, $25,578; (14) lowest, $14,132; (15) lowest, $14,437; (17) lowest, $23,029; M. T. Meagher, (6) adjacent pavement, 25 cts.; old curb, 1,200 ft., 30 cts.

PILE DIKE.—New York, N. Y.—The department of parks on June 5, 1902, received the following bids for constructing a stone filled pile dike along the pier and bulkhead line of the water front of Macomb's Dam Park:

Bids Received at New York, N. Y., June 5, 1902, for the Construction of a Stone-Filled Pile Dike.

Bidder.	Piles, 51,790 ft.	Timber, 65,400 ft., B. M.	Wr't iron, 20,575 lbs.	Stone fill, 6,080 cu. yds.	Total.
W. C. Collins, 169th St. and Webster Ave.	$0.30	$30.00	$0.05	$1.25	$26,161
A. C. Gildersleeve, 215 West 125th St.	.235	50.00	.04	.60	19,771
W. F. Norton, 215 West 125th St.	.22	45.00	.035	1.00	21,005
Bernard Rolf, 39 Cortlandt St.	.19	50.00	.04	.70	18,075
H. L. Spearin, 11 Broadway.	.219	42.00	.034	.60	18,305
J. D. Leary, 17 State St.	.33	46.00	.045	.50	23,867
J. Monks & Sons, 130 Water St.	.20	40.00	.035	.56	16,979
Frank Pidgeon, Madison Ave. and 42d St.	.19	48.00	.05	.77	18,150

RETAINING WALL.—Racine, Wis.—The Reichert Construction Co. has been awarded the contract at $6.90 a cu. yd. for building a retaining wall.

RELOCATING RAILWAY TRACKS.—Boston, Mass.—The following bids were received by the Metropolitan Water and Sewerage Board June 3 for relocating the tracks of the Central Massachusetts Division, B. & M. R. R., West Boyleston, in connection with work on the Wachusett Reservoir; contract awarded Geo. M. Atkins & Co.:

Bids Received at Boston, Mass., June 3, 1902, for Relocating Railway Tracks; B. & M. R. R.

Quantities.	Geo. M. Atkins & Co., Palmer, Mass.	Jehiel Vaughn, Stamford, N. Y.	Nawn & Brock, Boston.	T. Henry Meegan, Stoneham, Mass.	Newell & Snowling Con. Co., Ux-bridge, Mass.	Cen-edella Bros., Milford, Mass.	Murphy & Gallagher, Clinton, Mass.
Earth excavation ..... 130,000 cu. yds.	$0.28	$0.30	$0.32	$0.3275	$0.29	$0.33	$0.40
Slope paving ..... 5,200 " "	2.60	2.25	2.00	2.00	3.00	4.00	3.25
Riprap ..... 500 " "	1.00	1.00	1.00	1.00	1.00	1.50	3.00
Rubble masonry laid in mortar.. 15 " "	6.00	6.00	5.00	5.00	6.00	5.50	8.00
Split stone masonry in mortar.. 10 " "	14.00	15.00	12.00	14.00	25.00	18.00	18.00
Laying 6-in. sewer drain pipe ... 115 lin. ft..	.15	.20	.30	.20	.15	.15	.25
12-in. sewer culvert pipe..... 140 " "	.25	.40	.50	.30	.20	.35	.50
18-in. cast-iron culvert pipe. 70 " "	1.00	.60	1.00	.70	1.25	.50	1.00
Total	$50,772	$51,561	$52,870	$53,804	$54,273	$64,814	$70,869

DAM.—Fort Plain, N. Y.—John W. Jenkins, Ch. Engr., informs us that the following bids were received May 20, 1902, for constructing a dam; the haulage is for carrying 10-in. cast-iron pipe 8 miles; under trenching is included laying and calking pipe and back filling; the rock excavation in trench is for cost above earth excavation; the concrete is made up of 1 part cement, 2 parts sand and 4 parts broken stone for the first bid, and 1 part cement, 3 parts sand and 5 parts broken stone for the second bid; the earth excavation includes placing in bank and puddling; the trenching covers all kinds of material except ledge rock and boulders over 1-yd.; bid of Thomas Lane accepted:

Quantities.	Thos. Lane, Syracuse, N. Y.	F. N. Lewis, Herkimer, N. Y.	Fitzpatrick & Costello, Plattsburg, N. Y.
Hauling pipe ..... 235 tons....	$1.00	$2.00	$1.80
Trenching, etc. ....7,100 lin. ft..	.40	.39	.36
Rock excavation:			
At dam site ..... 150 cu. yds.	1.50	2.00	2.98
In trench ..... 150 " "	1.75	3.00	4.50
Concrete ..... 131 " "	7.00	7.50	7.50
Concrete ..... 326 " "	6.00	7.00	6.75
Earth excavation....4,000 " "	.40	.47	.90
Slope work .....1,400 sq. yds.	1.00	.75	.78
Total	$9,436	$10,184	$11,976

CEMENT.—Washington, D. C.—The district commissioners received the following bids June 3, 1902, for cement, (1a) being for natural cement, delivered at cement house; (1b) same delivery for Portland cement; (2a) natural at B. & O. tracks; (2b) Portland cement; (3a) natural at Penn. tracks; (3b) Portland cement: National Cement Co., Washington, (1a) 75 cts., (1b) $1.93, (2a) 71 cts., (2b) $1.96, (3b) $1.90; Wm. W. Clark, Baltimore, Md., (1a) $1.06, (1b) $1.94, (2a) $1, (2b) $1.89, (3a) $1, (3b) $1.89; Jos. H. McGill & Co., Washington, (1a) 75 cts., (2a) 70 cts.; Barber & Ross, Washington, (1b) $2.30, (2b) $2.25, (3b) $2.25.

PUBLIC LIGHTING.—Rochester, N. Y.—The Rochester Gas & Electric Co. has submitted a new bid to furnish this city with light for five years at $90.20 a light a year for 2,000-c. p. arc lamps. The board of contract estimates that the lighting should be done for $72 a light a year. The bid will be rejected and new bids called.

MACADAM PAVING.—Washington, N. J.—J. R. Thatcher, Freeholder, informs us that the following bids were received June 6, 1902, for 6⅜ miles of macadam paving; contract awarded J. R. & H. K. Salmon:

Bidder.	Earth.	Rock.	Macadam.
Trenton (N.J.) Stone & Const'n Co.	$0.22½	$1.35	$0.64
J. R. & H. K. Salmon, Landing, N.J.	.21	.75	.56
A. Munson & Co., Rockaway, N. J.	.24	1.15	.64
J. C. Stanley, Little Falls, N. J.	.34	1.50	.68

BRICK PAVING.—Troy, N. Y.—We are informed that the following bids from local bidders were received June 7, 1902, for brick paving in 7th Ave.; Patrick H. Feeley was awarded contract; (1) 8,300 sq. yds. paving, (2) 4,700 ft. of curbing, (3) 500 ft. of resetting, (4) 4 old basins, (5) 8 new basins; E. R. Cary, Cy. Engr.:

	1.	2.	3.	4.	5.	Total.
P. H. Feeley	$2.11	$0.80	$0.40	$18.00	$80.00	$22,265
P. S. Cavanaugh	2.43	.90	.40	10.00	75.00	25,231
P. & W. Fitzsimmons	2.30	.94	.35	23.00	72.00	24,183
No. Hudson Con. Co.	2.37	.79	.45	24.00	84.00	22,631
Mooney & Lillis	2.23	.80	.40	20.00	85.00	23,344

WATER PIPE, ETC.—Newark, N. J.—M. R. Sherrerd, Engr. and Supt. Dept. of Water, informs us that the following contract was let May 29, 1902, to the U. S. Cast Iron Pipe & Foundry Co., of Philadelphia, for furnishing 700 tons of 6 to 36-in. c.-i. water pipe and 200,000 lbs. of special castings: 6 and 8-in. pipe, 300 gross tons, $31.45; 10 to 36-in. pipe, 400 gross tons, $30.45; hub and spigot specials, 125,000 lbs., 2¾ cts. a lb.; flanged specials, 75,000 lbs., 5 cts.; total, $28,803. Part f. o. b. cars Newark, and part f. o. b. cars, Great Notch, N. J.

DAM.—Holyoke, Mass.—The water commissioners received the following bids June 2, 1902, for a dam at the high-service reservoir; (1) being for masonry, (2) for brick per 1,000: A. H. Wright, Springfield, (1) $7.75 per cu. yd., (2) $20; Dan'l O'Connell & Son, Holyoke, (1) $5.97, (2) $16; G. L. Bosworth, Holyoke, (1) $7.25, (2) $20; Lynch Bros' Brick Co., Holyoke, (1) $7.15, (2) $17; G. W. Hendrick, Easthampton, (1) $7.50, (2) $16.

WATER PIPE.—Monaca, Pa.—E. H. Trumpeter, Secy., writes us that Geo. McFall, of Beaver Falls, Pa., was awarded the following contract April 26, 1902, for water pipe: 16-in. pipe, 350 ft., $2.83 per ft.; 14-in., 5,000 ft., $2.12; 14-in. valves, $57; 16-in. valves, $61; 8-in. valve and box, $26; special castings, $60 a ton; total, $12,000.

INDUSTRIAL NOTES.

C. A. HAMMEL, 120 W. Fifth St., Los Angeles, Cal., reports nearly 100 plants recently equipped with the Hammel oil burner.

M. H. TREADWELL & Co., 95 Liberty St., New York, have opened an office at 307 Fourth Ave., Pittsburg, with L. L. Knox in charge.

THE KINNEAR MFG. CO., Columbus, O., has an order from the Belgium government for 422 Kinnear steel rolling doors for the royal warehouses that are being rebuilt at Antwerp.

THE TOLEDO ASPHALT PATCHER CO., Toledo, O., has been organized by local business men, and is manufacturing a machine for repairing asphalt pavements. Reports state that five have already been sold. George Merriam, Mgr.

THE W. N. BEST OIL BURNING SYSTEM, 217 Stimson Bldg., Los Angeles, Cal., has been installed on five locomotives used by B. Lantry Sons, railway contractors, 1098 22d St., San Francisco, who report it a great improvement over coal.

THE PITTSBURG GAGE & SUPPLY CO., Pittsburg, has sold two 350-HP. water-tube boilers, with stokers and coal conveying apparatus, for the Montrose pumping plant, Allegheny City, Pa.; eight stokers for the Allegheny City lighting plant; a 1,000-HP. Patterson-Berryman water heater for the Whipple Colliery Co., and a 125-HP. heater for the Lake Erie Limestone Co.

THE CHICAGO PNEUMATIC TOOL CO., Chicago, has sent three of its best workmen to Scotland, where a six weeks' trial of pneumatic tools of all kinds has been arranged for in the yard of Scott & Co., Greenock. It is stated that the trial will include every kind of shipyard work and that arrangements have been made to have all the leading shipbuilders in Great Britain present during the test.

WILLIAMS, BROWN & EARLE, 918 Chestnut St., Philadelphia, are placing upon the market standard 100-ft. steel tapes ½-in. wide, which have been compared with the U. S. standard at Washington. Each tape has a certificate furnished by the U. S. government, giving the tension at which the tape is compared and at which it should be used, the temperature at which the comparison is made, etc.

THE VULCAN IRON WORKS, Toledo, has sold two 65-ton and two 80-ton steam shovels to the Dunderland Iron Ore Co., Ltd., London, Eng., for work in connection with its iron mines and railways in Norway. These shovels are similar to those in use for some time past in the Messabe ore country in Minnesota, and also at the iron mines and cement works of Thos. A. Edison, in New Jersey. Two shovels have already been shipped and the other two will be ready in about two weeks.

THE D'AURIA PUMPING ENGINE CO., Philadelphia, has just installed a 1,500,000-gallon high-duty pumping engine at Ocean City, N. J., only a few miles from Atlantic City, where the company recently installed a 3,000,000-gallon high-duty pumping engine, which is now delivering nearly 4,000,000 gallons a day. The company has just been awarded a contract for two 2,000,000-gallon similar engines for pumping against a high pressure for the water-works of the city of Cumberland, Md.

THE PELTON WATER WHEEL CO., of San Francisco and New York, informs us that it has recently contracted to furnish the Clark Electric Co., of Ophir, Utah, with water wheels to operate its new electric plant. These wheels will operate under two heads, 700 ft. and 480 ft., and are intended to be direct-connected to General Electric generators, which will supply the mines about Tooele county, Utah, with light and power. The Pelton company quotes numerous new orders from different sections of the country. A few plants installed are as follows, some being for electric power and others for running plantation mills: Sullivan Group Mining Co., Marysville, B. C.; Aurora Gold Mining Co., Alaska; Payne Consolidated Mining Co., Sandon, B. C.; Goldpan Engineering & Mine Supply Co., Breckenridge, Colo.; U. S. Government (for Yosemite Valley Reservation); Compania de Transmission Electrica de Potencia, Mexico, and the Ardjasarie Electric Power Transmission Co., Batavia, Java.

NEARLY EVERY PROMINENT CONTRACTOR and Manufacturer of Contractors' Supplies READS ENGINEERING NEWS.
Avail Yourself of this Paper when Bids are Wanted for Construction or for Furnishing Supplies.